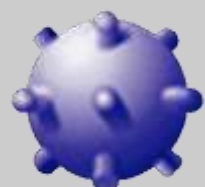
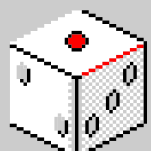


Minesweeper

해킹해보자



GUnT_0x9 | ogh09 | Mas\$y_J!



05:23
PM

The image shows a desktop environment with several windows. A window titled '목차' (Table of Contents) is partially visible on the left. The main window displays a directory of folders:

- 기본개념 (Basic Concepts)
- 기초분석 (Basic Analysis)
- 공격기법 (Attack Techniques)
- patch
- Dll injection
- IAT Hooking

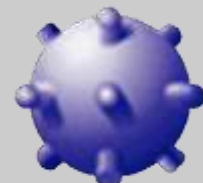
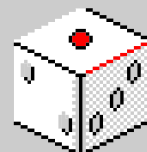
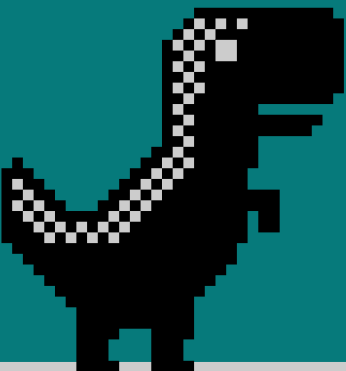
A mouse cursor is hovering over the '기본개념' folder. The desktop also features a yellow warning icon and a blue information icon in the bottom-left corner.

기본개념



winmine.exe

reversing



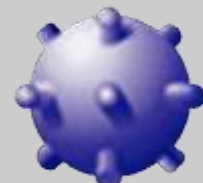
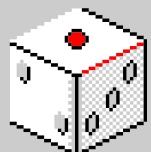
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기본개념

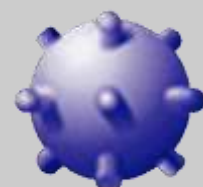
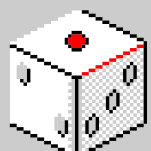
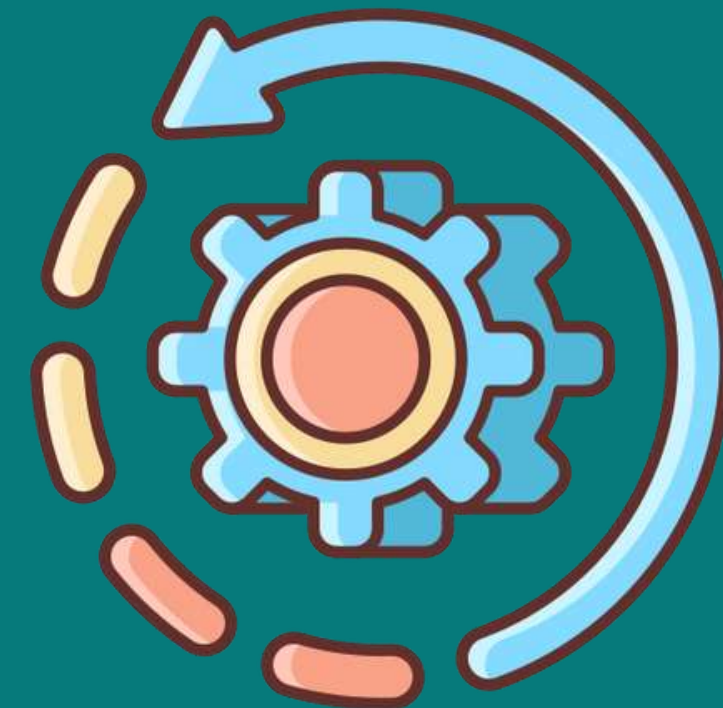
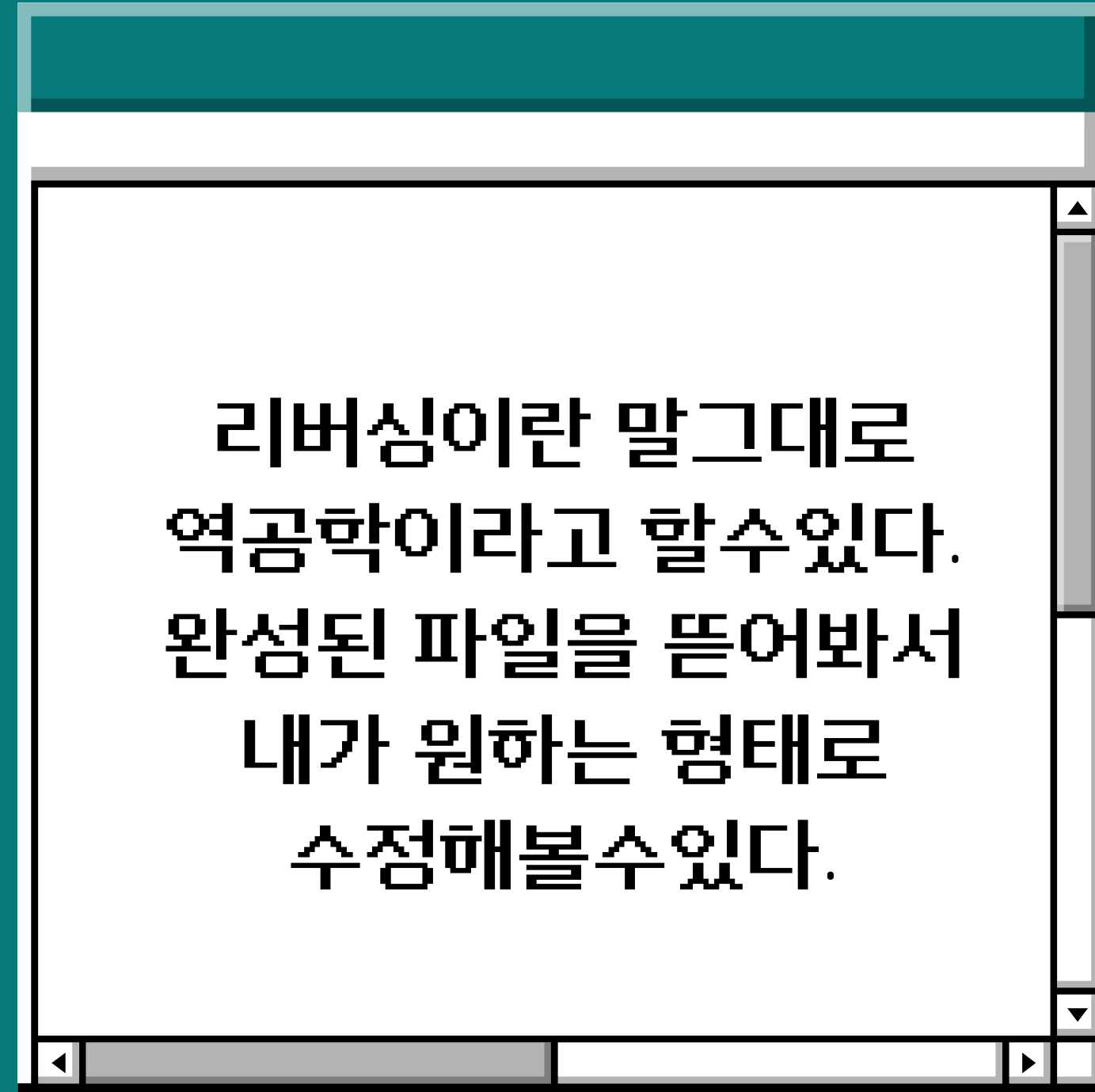
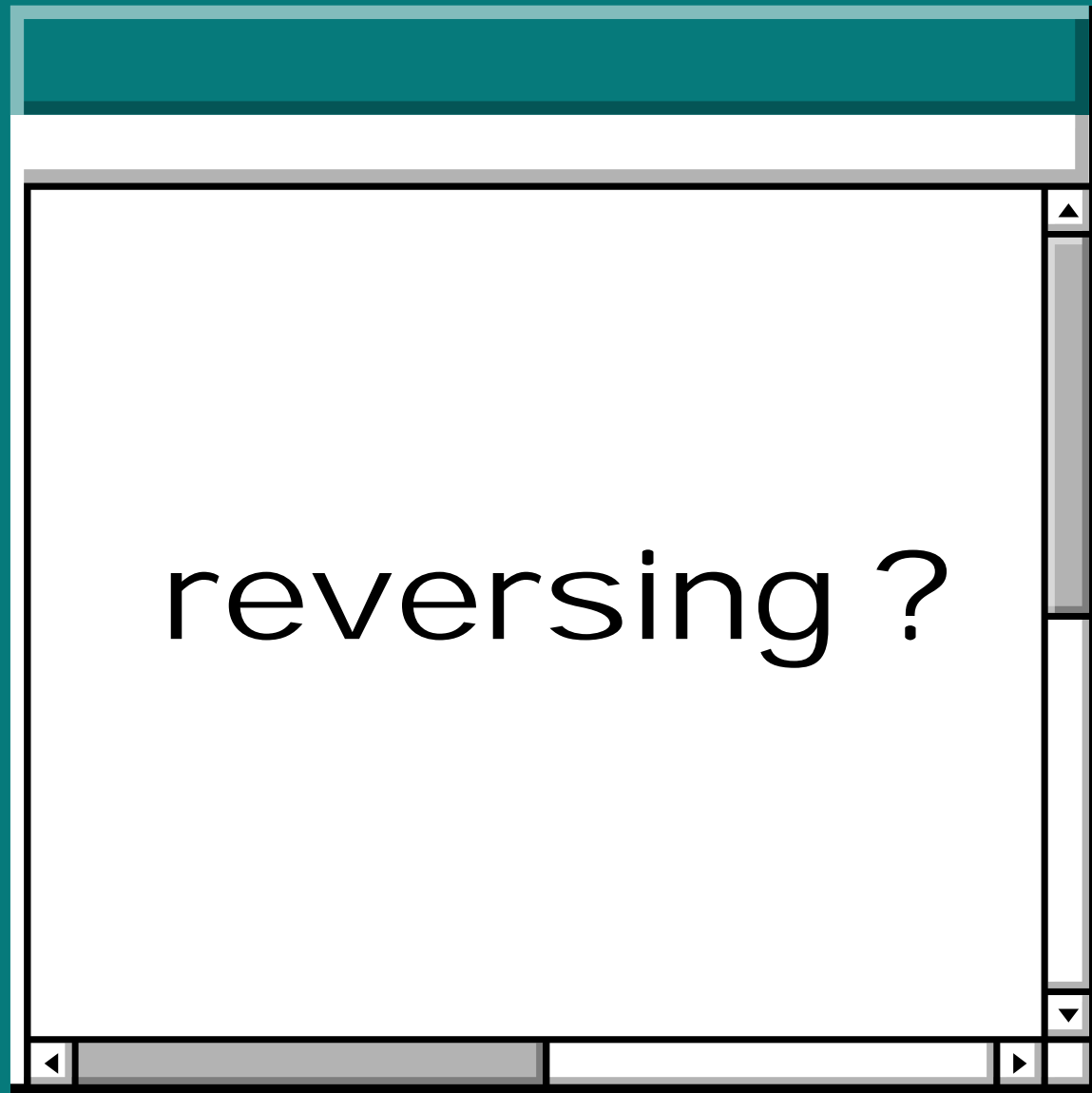


winmine.exe ?

winmine.exe는
윈도우xp 버전에 내장된
지뢰찾기게임의 실행파일로
이번에 해킹할 파일이다.

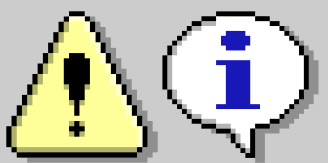


기본개념



기본개념	기초분석	공격기법
patch	Dll injection	IAT Hooking

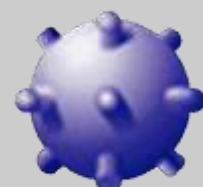
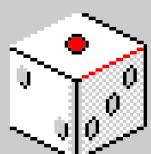
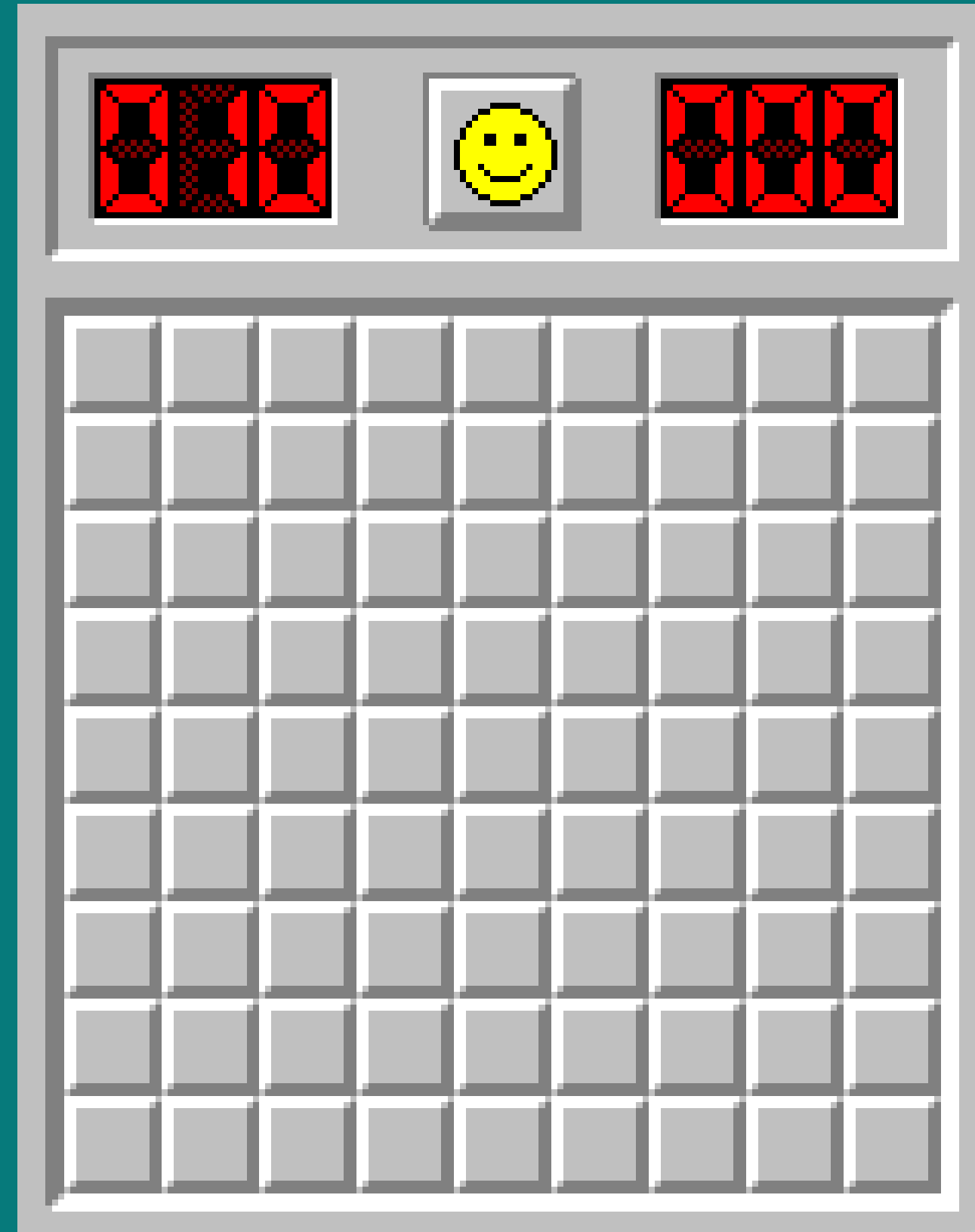
목차



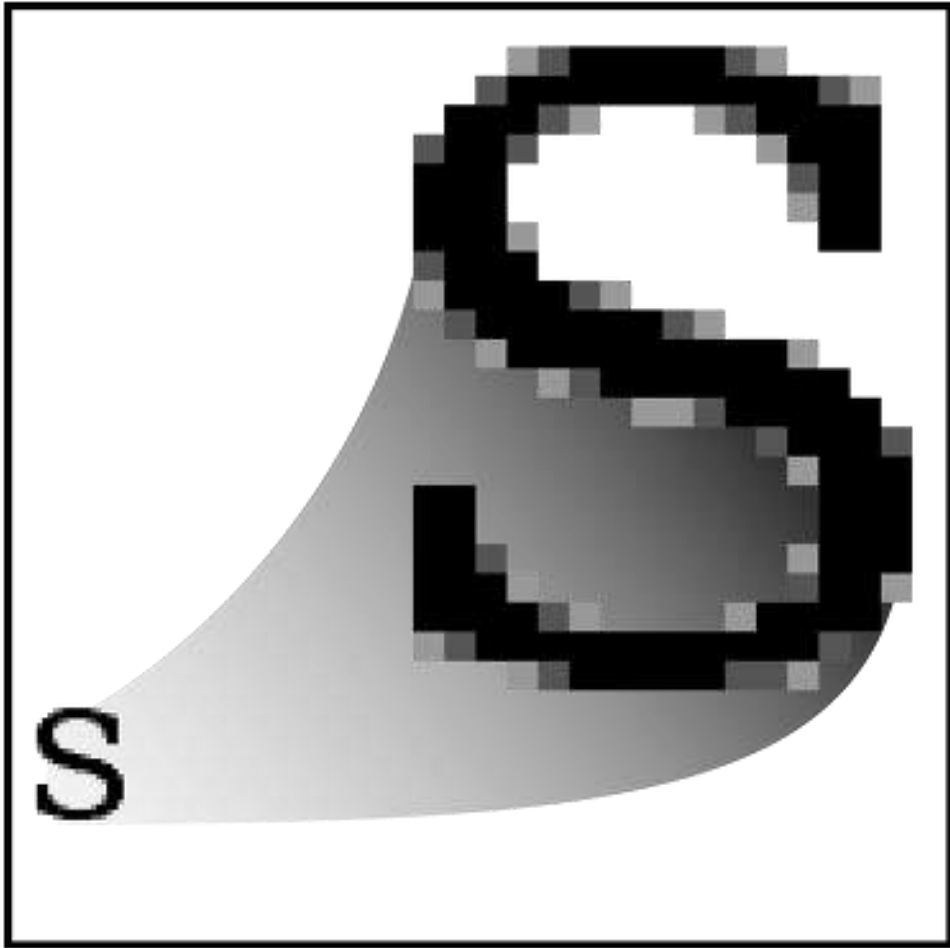
BitBit 함수

비트맵을 불러오는
함수이다.

지리찾기 전체에
걸쳐 사용된다.

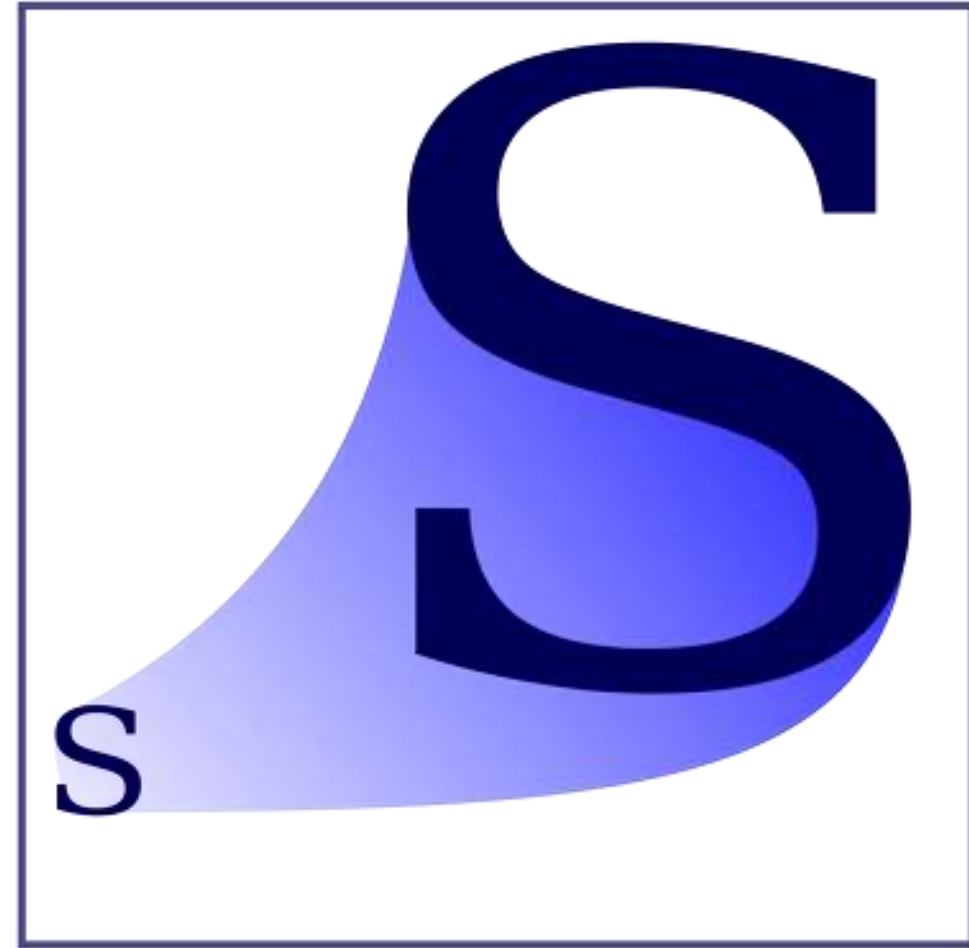


비트맵



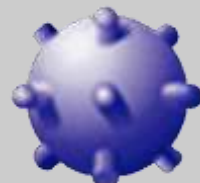
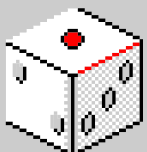
Raster(Bitmap)

.jpeg .gif .png



Vector

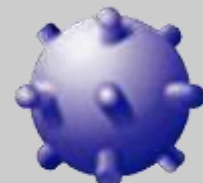
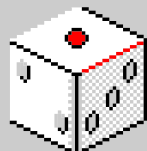
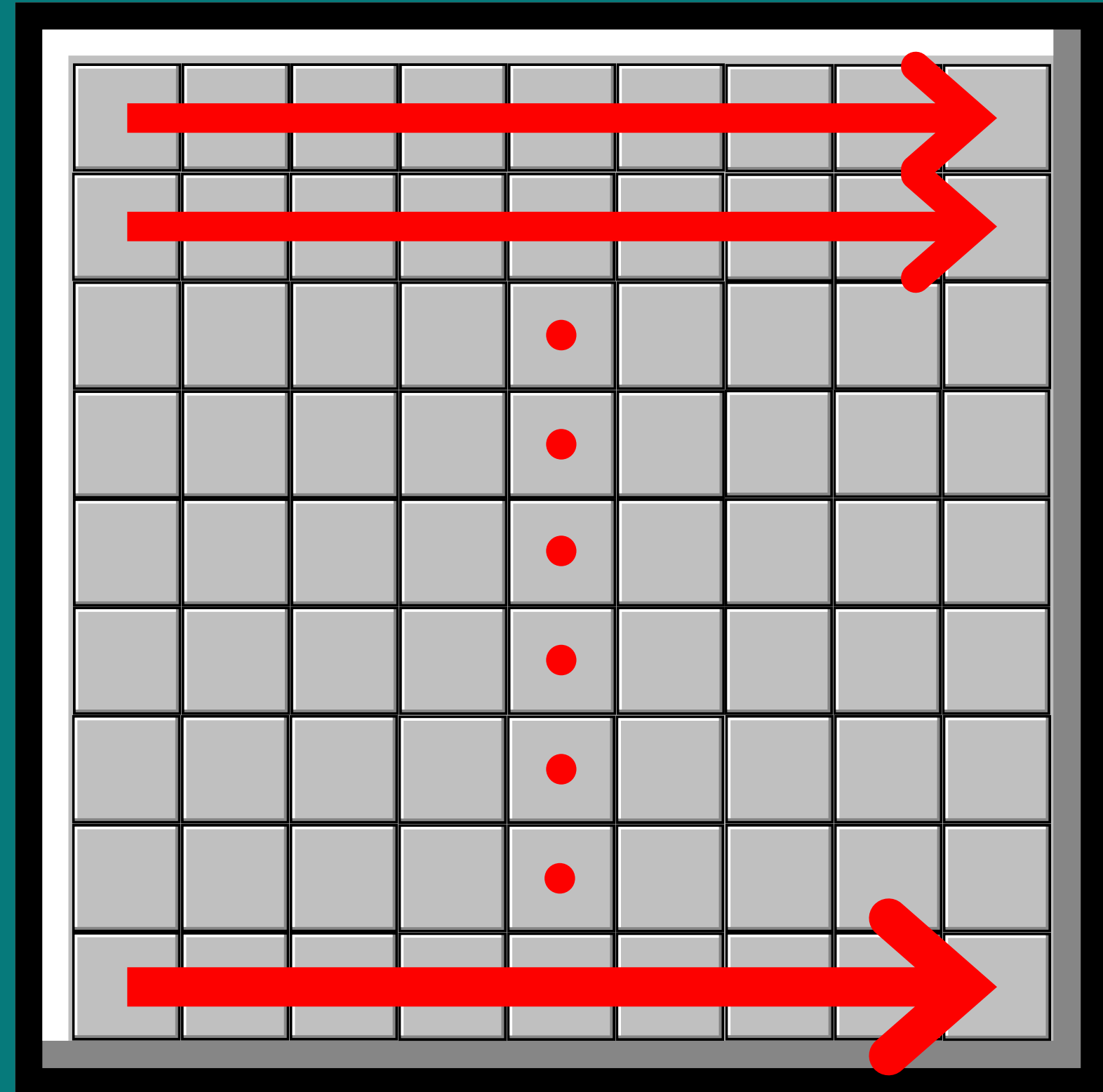
.svg



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탐색/생성 방식

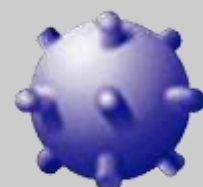
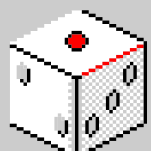
왼쪽 → 오른쪽
쪽



1005340

005340	10	10	10	10	10	10	10	10	10	10	10
005360	10	0F	0F	0F	0F	0F	8F	0F	0F	0F	10
005380	10	0F	0F	8F	0F	0F	8F	0F	8F	0F	10
0053A0	10	0F	0F	0F	0F	0F	0F	8F	8F	0F	10
0053C0	10	0F	0F	0F	8F	0F	0F	0F	0F	0F	10
0053E0	10	0F	0F	0F	0F	0F	0F	0F	0F	0F	10
005400	10	8F	0F	0F	0F	0F	0F	0F	8F	0F	10
005420	10	0F	8F	0F	0F	0F	0F	0F	0F	0F	10
005440	10	0F	0F	0F	0F	0F	0F	0F	0F	0F	10
005460	10	0F	0F	0F	0F	0F	0F	0F	0F	0F	10
005480	10	10	10	10	10	10	10	10	10	10	10

지뢰의 배열이
저장되는 위치



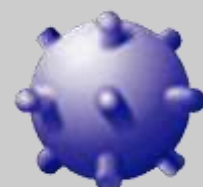
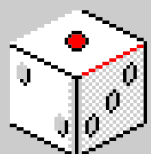
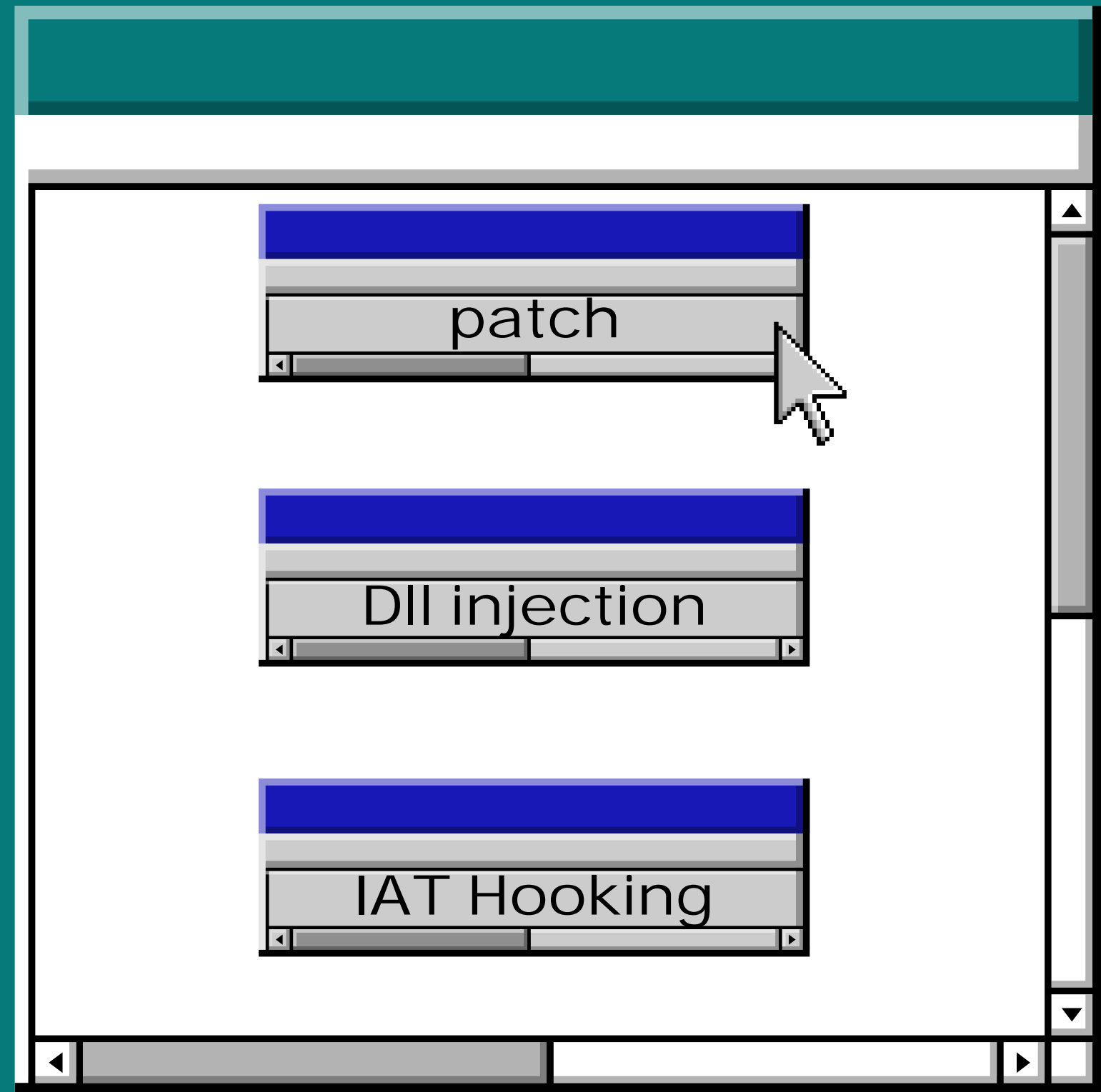
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The image depicts a desktop environment with several windows. A window titled '목차' (Table of Contents) is partially visible on the left. The main window displays a grid of folders:

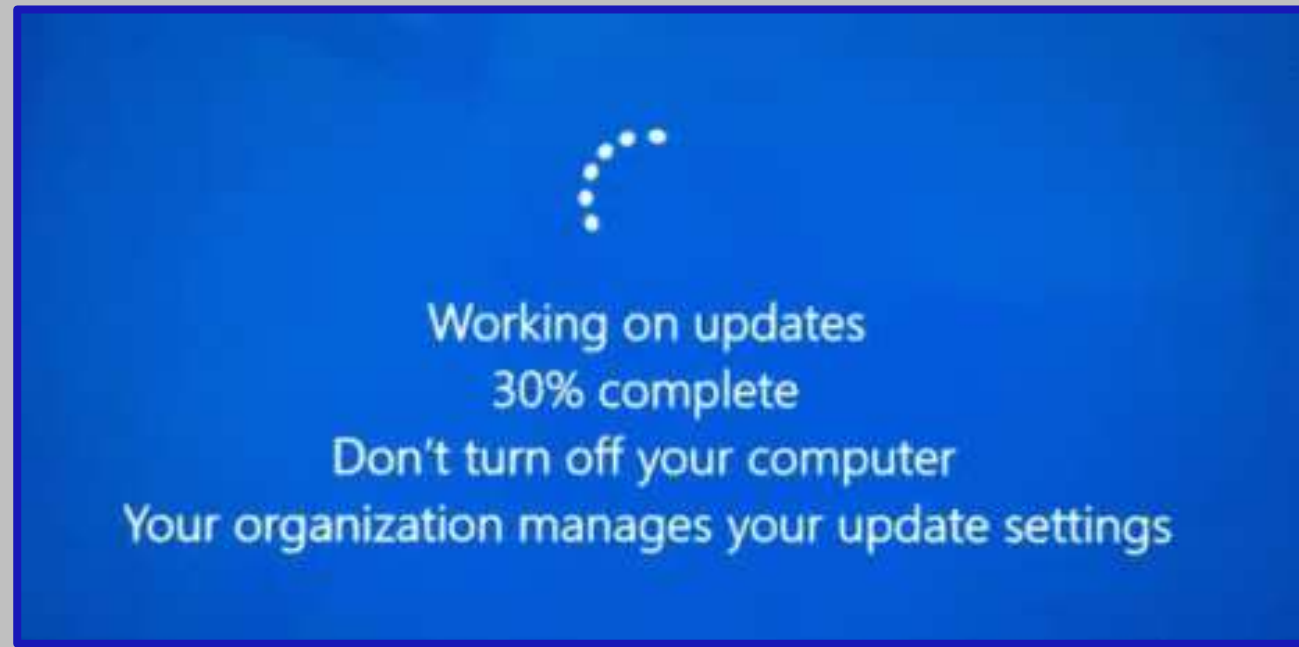
- 기본개념 (Basic Concepts)
- 기초분석 (Basic Analysis)
- 공격기법 (Attack Techniques)
- patch
- Dll injection
- IAT Hooking

A mouse cursor is hovering over the '공격기법' folder. In the bottom-left corner, there are two icons: a yellow warning triangle and a blue information icon.

공격기법

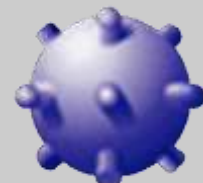
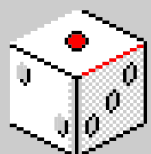


Patch(패치)



Windows의
hotfix 업데이트

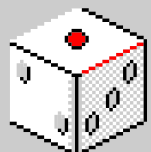
게임의
신규 업데이트



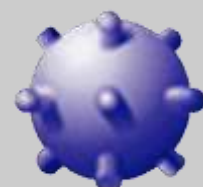
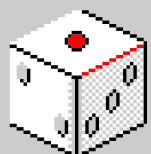
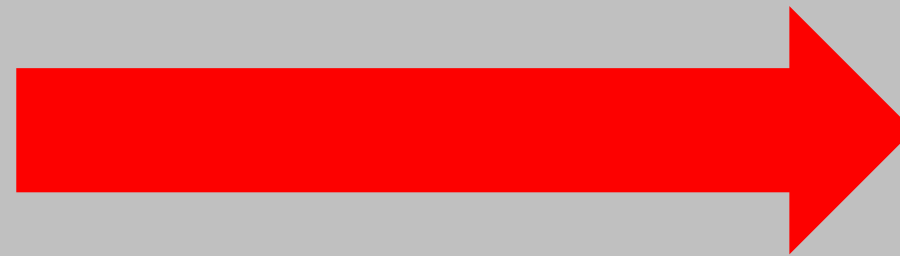
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Patch(패치)

간단히 말해, 완성된 프로그램
수정하는 것!



Patch (패치)



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Patch(패치)의 장/단점

· **장점** · ex.에어본 제로클릭

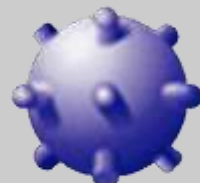
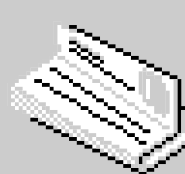
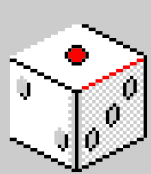


빠른 업데이트로 보안취약점등을
막을수 있다

· **단점** · ex.클라우드 스트라이

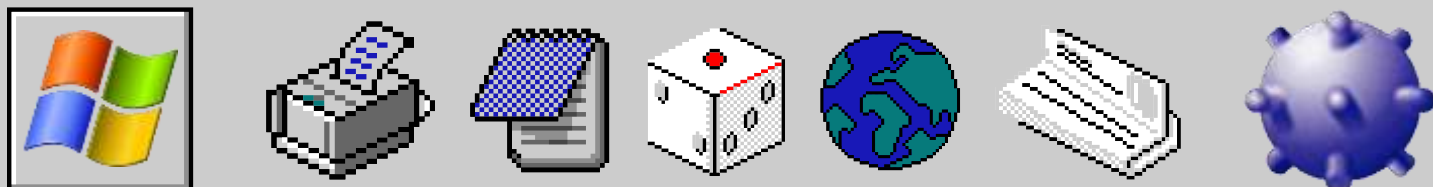
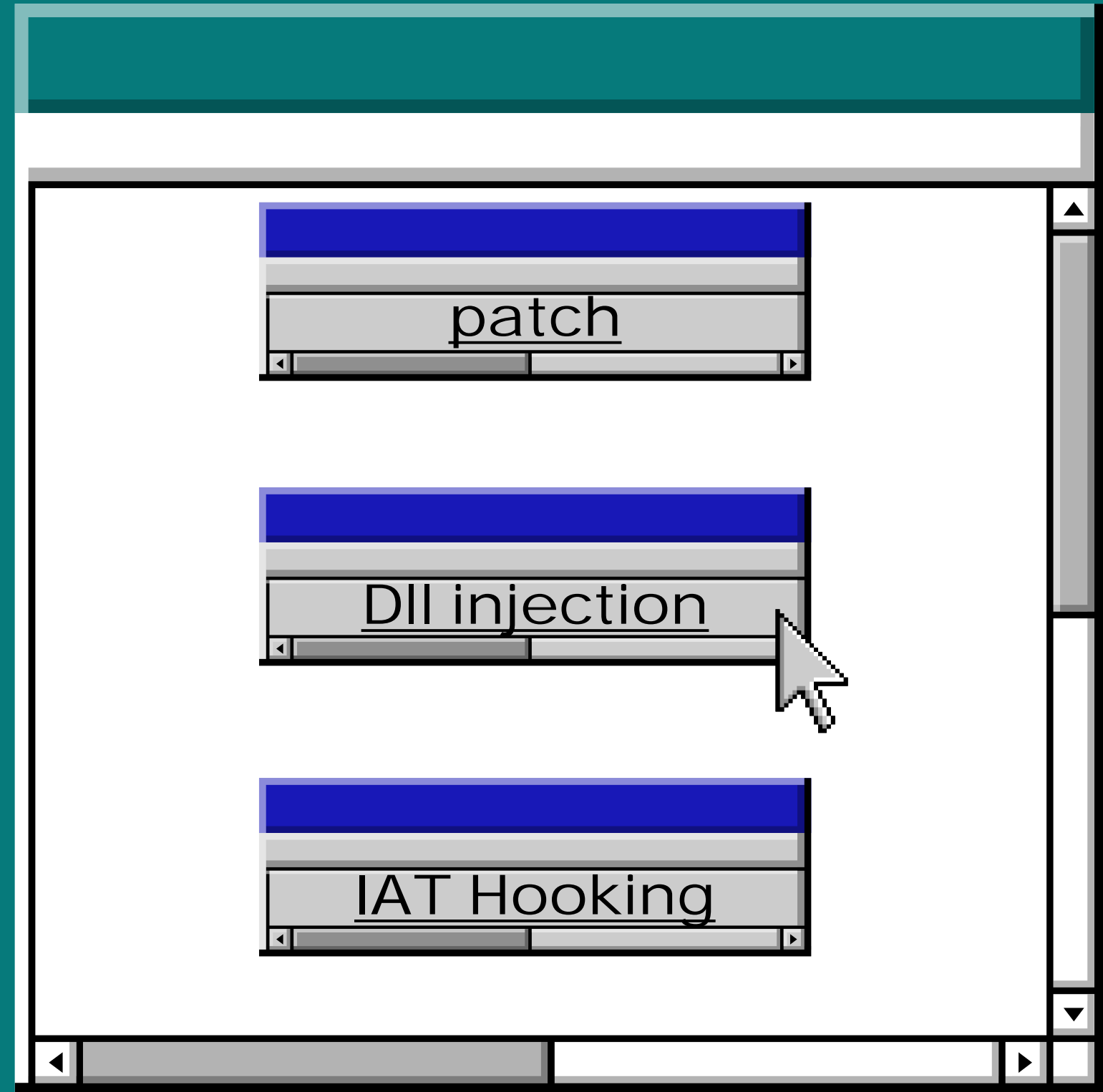


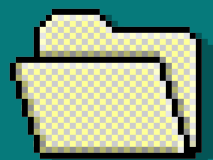
임의로 패치를 진행하게되면 프로그램이
정상적으로 작동하지 않을수도 있다



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공격기법

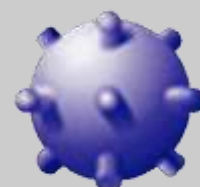
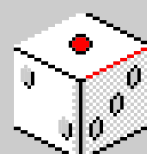


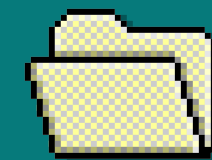


<DLL 이란?>

explanation


DLL이란 윈도우운영체제에서 사용되는 동적연결라이브러리로 여러 프로그램이 공통으로 사용하는 함수



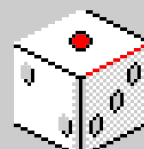


<DLL injection이란?>



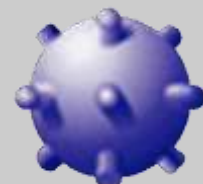
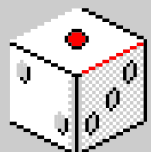
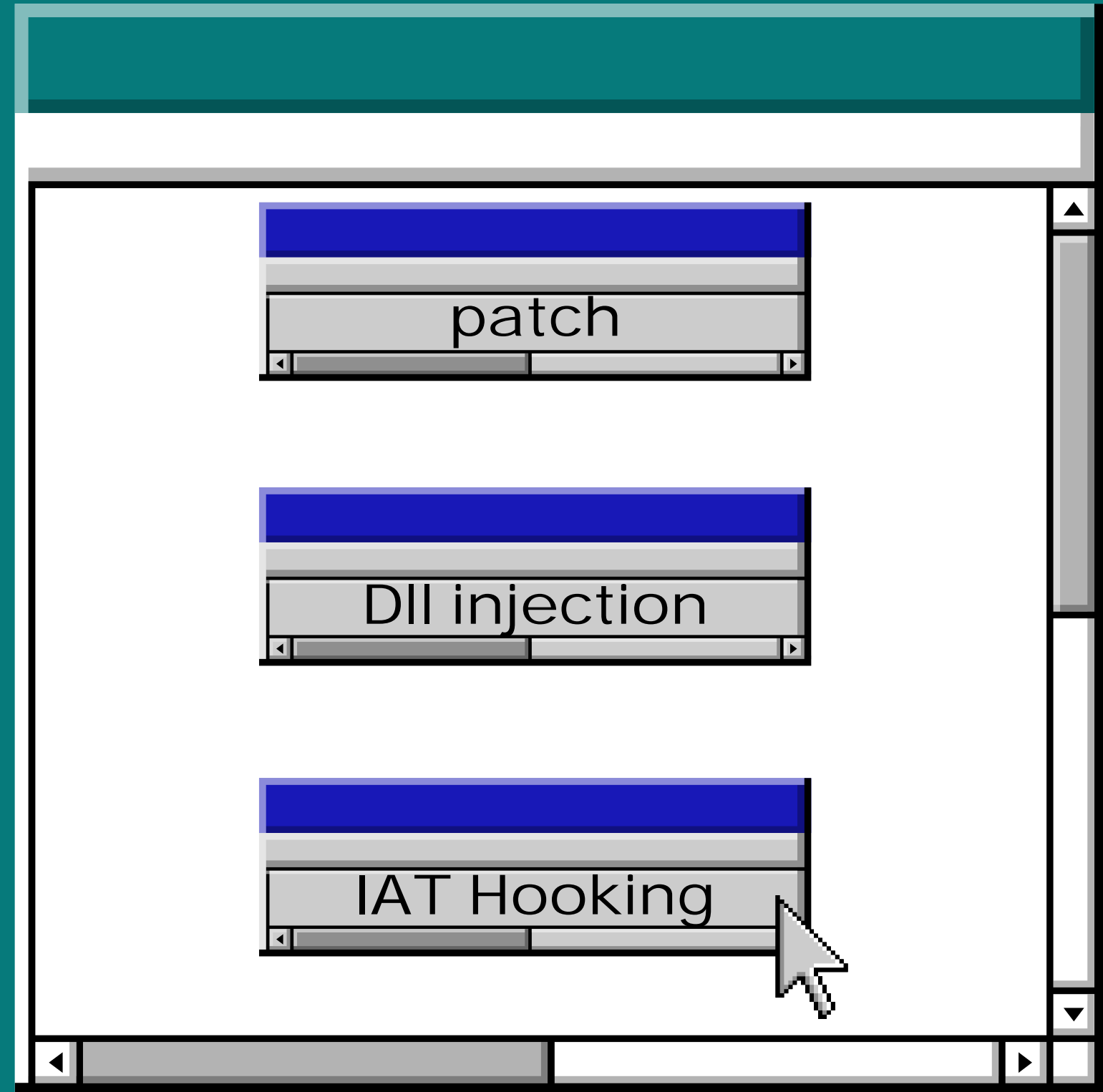
explanation 

****DLL Injection**은 실행 중인 다른 프로세스의
내가 만든 파일을 강제 삽입**



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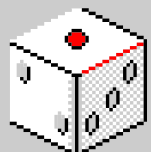
공격기법



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hooking?

Hooking이란 프로그램에 이벤트나 메시지에
흐름을 가로채서 자신이 원하는 코드로
바꿀수있는 해킹공격기법이다

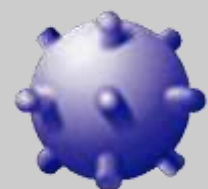
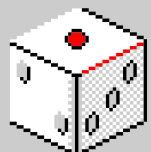


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후킹 개념



A

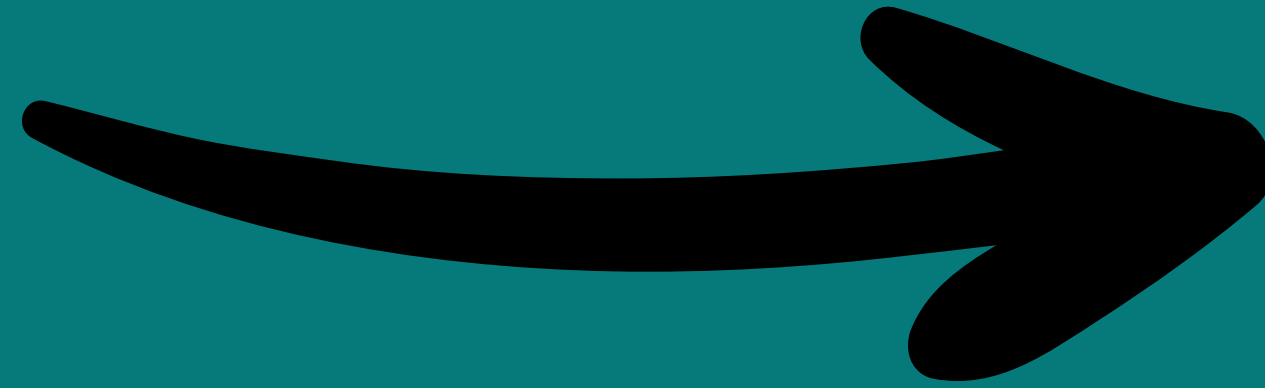


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후킹 개념

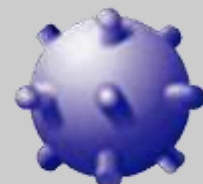
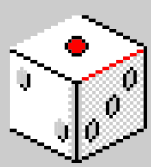


A



B

정상적인 후킹



후킹 개념

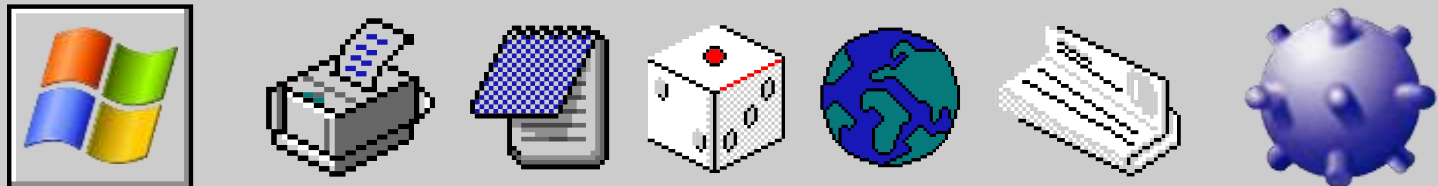


A



B

점심(?)적인 흐름



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후킹 개념



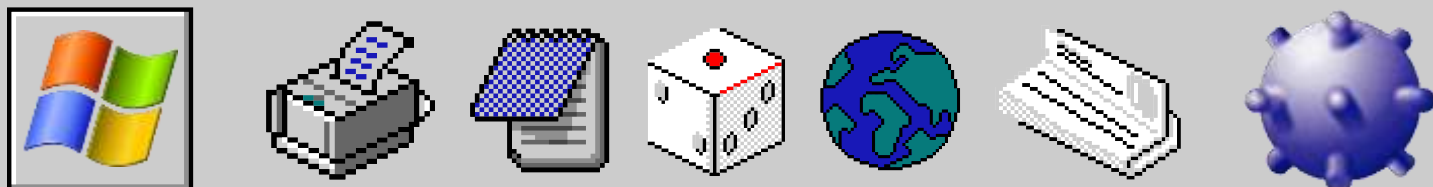
A

내가 만든 코드



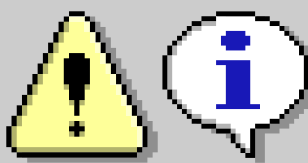
B

비정상적인 흐름



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The image shows a desktop environment with a window titled "explanation" in the foreground. The window contains a grid of six folder icons with the following labels: "기본개념" (Basic Concepts), "기초분석" (Basic Analysis), "공격기법" (Attack Techniques), "patch", "Dll injection", and "IAT Hooking". A mouse cursor is pointing at the "patch" folder. To the left, a window titled "목차" (Table of Contents) is partially visible. In the bottom-left corner, there are two icons: a yellow warning triangle and a blue information icon.



목차

A window with a blue title bar and a red close button. The main content area displays a grid of six folder icons. The labels for these folders are arranged in two rows and three columns:

- Row 1: 기본개념, 기초분석, 공격기법
- Row 2: patch, Dll injection, IAT Hooking

A mouse cursor is positioned over the 'Dll injection' folder icon.



헤더파일(코드)



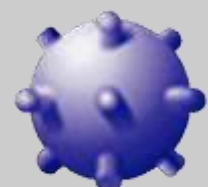
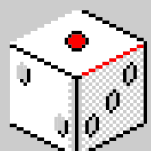
```
// 원하는 맵 크기로 수정하세요!
```

```
#define MAP_WIDTH 32
```

```
#define MAP_HEIGHT 18
```

```
DWORD WINAPI HotkeyThread(LPVOID lpParam);
```

```
void ShowMines();
```



소스파일(코드)

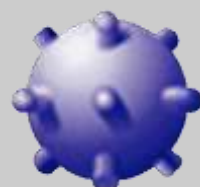
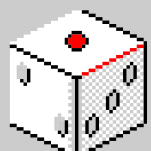


변수명

:GetCellSymbol()

1. 지뢰는 '★' 표시
2. 벽은 '■' 표시
3. 기본칸 '□' 표시
4. 깃발 '♣' 표시
5. 나머지 칸 '◇' 표시

```
// 원하는 값에 따라 문자 지정
wchar_t GetCellSymbol(BYTE val) {
    if (val == MINE_VALUE)      return L'★';
    else if (val == 0x10)       return L'■';
    else if (val == 0x0F)       return L'□';
    else if (val == 0x0E)       return L'♣';
    else                          return L'◇';
}
```

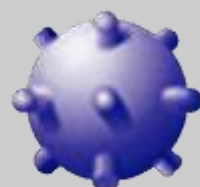
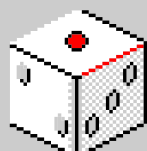
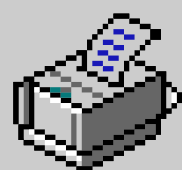


소스파일(코드)



- y: 세로(행), x: 가로(열)
- mineMap[y * 32 + x]: y행 x열의 실제 메모리 주소에서 값 읽기
- 읽은 값을 GetCellSymbol()로 변환해서 문자열에 추가
- 각 칸마다 공백 추가
- 한 줄이 끝나면 줄바꿈 추가

```
for (int y = 0; y < MAP_HEIGHT; ++y) {
    for (int x = 0; x < MAP_WIDTH; ++x) {
        mines += GetCellSymbol(mineMap[y * 32 + x]);
        mines += L' ';
    }
    mines += L"\r\n";
}
```

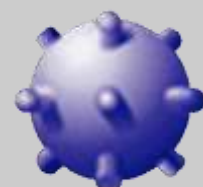
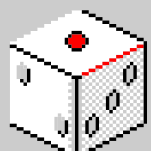


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소스파일(코드)

- 무한 반복문으로 계속 실행
- GetAsyncKeyState(VK_F3) & 0x8000: F3키가 눌렸는지 체크
 - F3키가 눌리면 ShowMines() 실행
 - 0.5초(500ms) 대기(중복 입력 방지)
- 0.05초(50ms)마다 반복

```
DWORD WINAPI HotkeyThread(LPVOID lpParam)
{
    while (true) {
        if (GetAsyncKeyState(VK_F3) & 0x8000) {
            ShowMines();
            Sleep(500); // 중복 입력 방지
        }
        Sleep(50);
    }
    return 0;
}
```



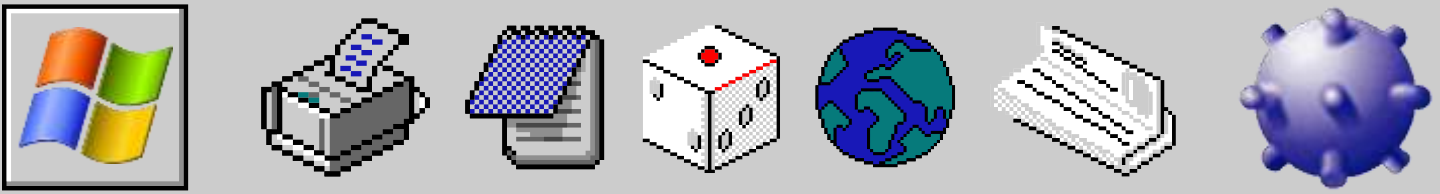
소스파일(코드)



Dll main 과 핫키감지 함수 분류

```
BOOL WINAPI DllMain(HINSTANCE hinstDLL, DWORD fdwReason, LPVOID lpvReserved)
{
    if (fdwReason == DLL_PROCESS_ATTACH) {
        CreateThread(NULL, 0, HotkeyThread, NULL, 0, NULL);
    }
    return TRUE;
}
```

- DLL이 처음 삽입될 때
- 별도의 스레드를 만들어
- 단축키 감지 등 반복 작업을 처리하게 하고
- DllMain 함수는 빠르게 종료하는 구조입니다



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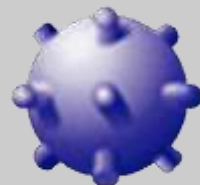
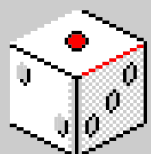
헤더파일(코드)



```
#pragma once
#include <windows.h>

// 원하는 맵 크기로 수정하세요!
#define MAP_WIDTH 32
#define MAP_HEIGHT 18

DWORD WINAPI HotkeyThread(LPVOID lpParam);
void RemoveAllMines();
```

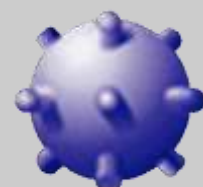
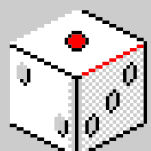


소스파일(코드)



- y: 세로(행), x: 가로(열)
- mineMap[y * 32 + x]: y행 x열의 실제 메모리 주소에서 값 읽기
- 읽은 값을 RemoveAllMines()로 변환해서 문자열에 추가
- 각 칸마다 공백 추가
- 한 줄이 끝나면 줄바꿈 추가

```
// 모든 지뢰를 빈 칸으로 변경
void RemoveAllMines()
{
    BYTE* mineMap = (BYTE*)MINE_MAP_ADDRESS;
    for (int y = 0; y < MAP_HEIGHT; ++y) {
        for (int x = 0; x < MAP_WIDTH; ++x) {
            if (mineMap[y * 32 + x] == MINE_VALUE) {
                mineMap[y * 32 + x] = EMPTY_VALUE;
            }
        }
    }
    MessageBoxW(NULL, L"모든 지뢰가 사라졌습니다!", L"지뢰 제거", MB_OK);
}
```

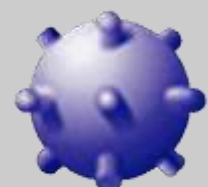
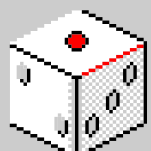


소스파일(코드)



- y: 세로(행), x: 가로(열)
- mineMap[y * 32 + x]: y행 x열의 실제 메모리 주소에서 값 읽기
- MINE_VALUE(지뢰칸)를 EMPTY_VALUE(빈칸)로
- 바꿈

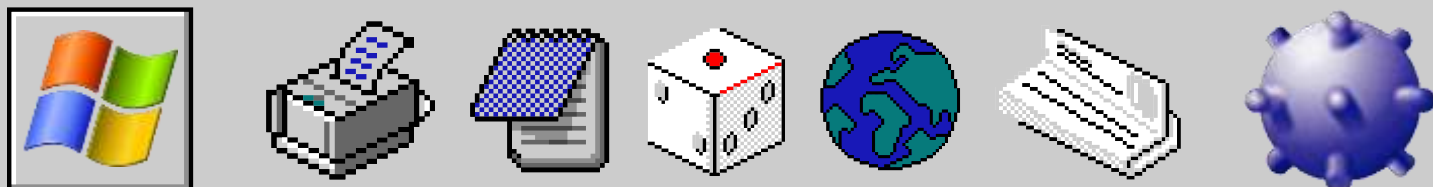
```
// 모든 지뢰를 빈 칸으로 변경
void RemoveAllMines()
{
    BYTE* mineMap = (BYTE*)MINE_MAP_ADDRESS;
    for (int y = 0; y < MAP_HEIGHT; ++y) {
        for (int x = 0; x < MAP_WIDTH; ++x) {
            if (mineMap[y * 32 + x] == MINE_VALUE) {
                mineMap[y * 32 + x] = EMPTY_VALUE;
            }
        }
    }
    MessageBoxW(NULL, L"모든 지뢰가 사라졌습니다!", L"지뢰 제거", MB_OK);
}
```



소스파일(코드)

- 무한 반복문으로 계속 실행
- GetAsyncKeyState(VK_F3) & 0x8000: F3키가 눌렸는지 체크
 - F3키가 눌리면 RemoveAllMines() 실행
 - 0.5초(500ms) 대기(중복 입력 방지)
- 0.05초(50ms)마다 반복

```
// F3키 감지 스레드
DWORD WINAPI HotkeyThread(LPVOID lpParam)
{
    while (true) {
        if (GetAsyncKeyState(VK_F3) & 0x8000) { // F3키 감지
            RemoveAllMines();
            Sleep(500); // 중복 입력 방지
        }
        Sleep(50);
    }
    return 0;
}
```

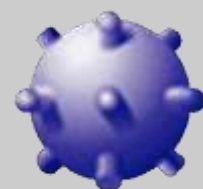
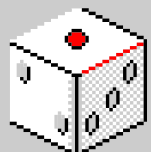


소스파일(코드)

Dll main 과 핫키감지 함수 분류

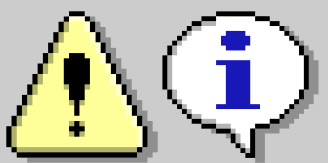
- DLL이 처음 삽입될 때
- 별도의 스레드를 만들어
- 단축키 감지 등 반복 작업을 처리하게 하고
- DllMain 함수는 빠르게 종료하는 구조입니다

```
BOOL WINAPI DllMain(HINSTANCE hinstDLL, DWORD fdwReason, LPVOID lpvReserved)
{
    if (fdwReason == DLL_PROCESS_ATTACH) {
        CreateThread(NULL, 0, HotkeyThread, NULL, 0, NULL);
    }
    return TRUE;
}
```



기본개념	기초분석	공격기법
patch	Dll injection	IAT Hooking

목차





공격할 API를 선정한다.

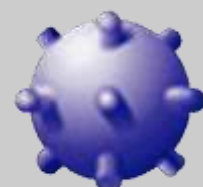
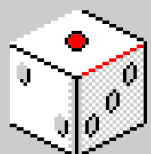
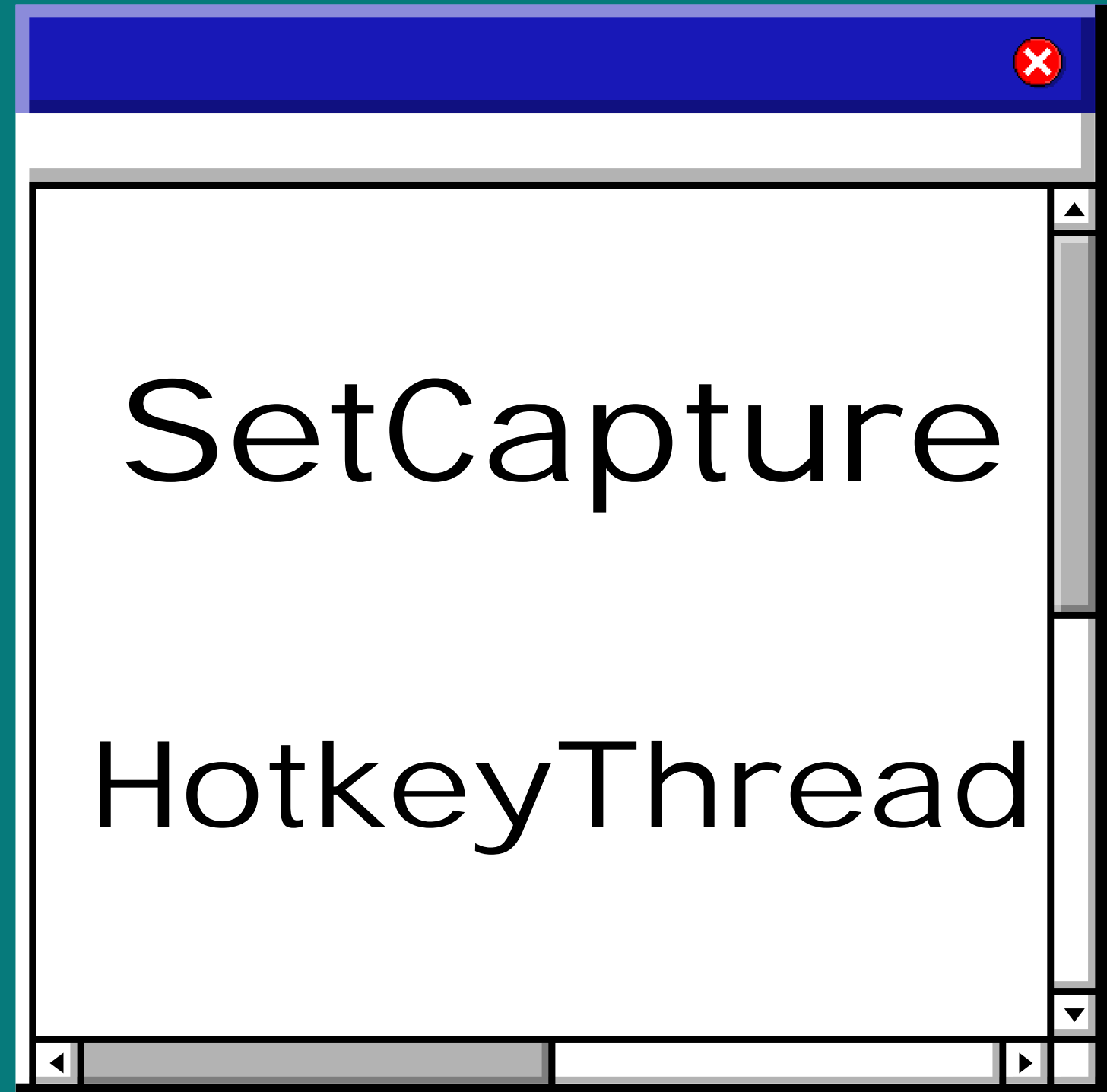


코드를 분석한다.



실행결과를 확인한다.

API 선택

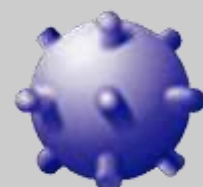
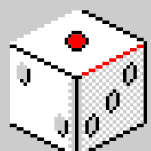


API 선택



SetCapture

SetCapture는 마우스에 반응을 감지하는 마이크로소프트 API



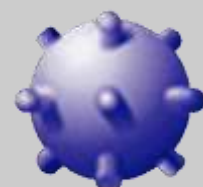
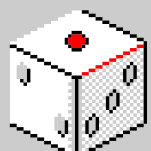
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API 선택



HotkeyThread

HotkeyThread는 특정 키보드에
반응하는 마이크로소프트 API



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공격할 API를 선정한다.



코드를 분석한다.



실행결과를 확인한다.

헤더파일(코드)



window API를 사용하기 때문에
window.h를 가져와준다.

```
#pragma once
#include <windows.h>

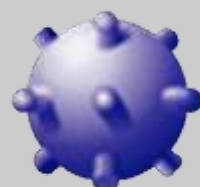
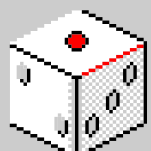
#ifdef __cplusplus
extern "C" {
#endif

// 핫키 감지 쓰레드
DWORD WINAPI HotkeyThread(LPVOID lpParam);

// IAT 후킹 트리거 함수
void TriggerIATHook(void);

// 후킹 대상 함수
DWORD WINAPI ShowMessage(LPVOID lpParam);

#ifdef __cplusplus
}
#endif
#endif
```



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헤더파일(코드)



C++에서 컴파일할 때, 함수 이름이 mangling으로 변형되는데, extern "C"는 이를 방지하고 C 스타일 함수명으로 유지시켜 준다

```
#pragma once
#include <windows.h>

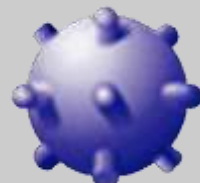
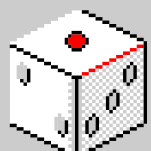
#ifdef __cplusplus
extern "C" {
#endif

    // 핫키 감지 쓰레드
    DWORD WINAPI HotkeyThread(LPVOID lpParam);

    // IAT 후킹 트리거 함수
    void TriggerIATHook(void);

    // 후킹 대상 함수
    DWORD WINAPI ShowMessage(LPVOID lParam);

#ifdef __cplusplus
}
#endif
```



IAT Hooking 트래거(코드1)

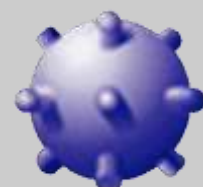
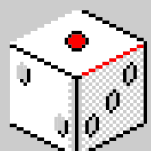
PE(실행 파일) 구조를 따라가서,
IAT(Import Address Table)를
읽기 위해 주소 계산하는 코드다

```
void TriggerIATHook(void)
{
    if (g_hooked) return;
    g_hooked = true;

    HMODULE hMod = GetModuleHandle(NULL);
    if (!hMod) return;

    PBYTE base = (PBYTE)hMod;
    DWORD OldProtect = 0;

    PIMAGE_DOS_HEADER idh = (PIMAGE_DOS_HEADER)base;
    PIMAGE_OPTIONAL_HEADER ioh = (PIMAGE_OPTIONAL_HEADER)
        (base + idh->e_lfanew + 24);
    PIMAGE_IMPORT_DESCRIPTOR iid = (PIMAGE_IMPORT_DESCRIPTOR)
        (base + ioh->DataDirectory[IMAGE_DIRECTORY_ENTRY_IMPORT].VirtualAddress);
```



IAT Hooking 트래커(코드2)

setcapture를 user32.dll에
import directory table에서
찾는 코드이다.

```
for (; iid->Name; iid++) {
    PCSTR dllName = (PCSTR)(base + iid->Name);
    if (_stricmp(dllName, "USER32.dll") != 0) continue;

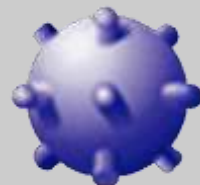
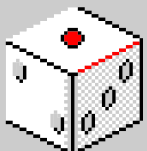
    MessageBox(NULL, TEXT("Found USER32.dll in Import Directory Table"), TEXT("GUnT_0x9"), MB_OK);

    PIMAGE_THUNK_DATA32 addrTable = (PIMAGE_THUNK_DATA32)(base + iid->FirstThunk);
    PIMAGE_THUNK_DATA32 nameTable = (PIMAGE_THUNK_DATA32)(base + iid->OriginalFirstThunk);

    for (; addrTable->u1.Function; addrTable++, nameTable++) {
        PIMAGE_IMPORT_BY_NAME iibn = (PIMAGE_IMPORT_BY_NAME)(base + nameTable->u1.AddressOfData);

        if (_stricmp((char*)iibn->Name, "SetCapture") == 0) {
            MessageBox(NULL, TEXT("Found SetCapture IAT Address"), TEXT("GUnT_0x9"), MB_OK);

            VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), PAGE_READWRITE, &OldProtect);
            addrTable->u1.Function = (DWORD)(ULONG_PTR)ShowMessage;
            VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), OldProtect, &OldProtect);
            return;
        }
    }
}
```



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IAT Hooking 트래커(코드2)



찾으면 showMessage에서
메세지 가져옴

```
for (; iid->Name; iid++) {
    PCSTR dllName = (PCSTR)(base + iid->Name);
    if (_stricmp(dllName, "USER32.dll") != 0) continue;

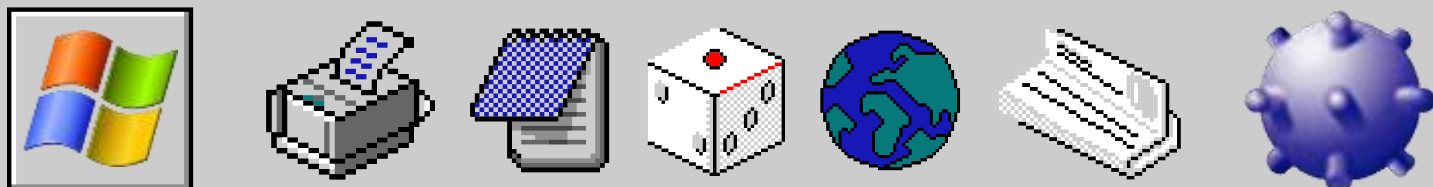
    MessageBox(NULL, TEXT("Found USER32.dll in Import Directory Table"), TEXT("GUnT_0x9"), MB_OK);

    PIMAGE_THUNK_DATA32 addrTable = (PIMAGE_THUNK_DATA32)(base + iid->FirstThunk);
    PIMAGE_THUNK_DATA32 nameTable = (PIMAGE_THUNK_DATA32)(base + iid->OriginalFirstThunk);

    for (; addrTable->u1.Function; addrTable++, nameTable++) {
        PIMAGE_IMPORT_BY_NAME iibn = (PIMAGE_IMPORT_BY_NAME)(base + nameTable->u1.AddressOfData);

        if (_stricmp((char*)iibn->Name, "SetCapture") == 0) {
            MessageBox(NULL, TEXT("Found SetCapture IAT Address"), TEXT("GUnT_0x9"), MB_OK);

            VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), PAGE_READWRITE, &OldProtect);
            addrTable->u1.Function = (DWORD)(ULONG_PTR)ShowMessage;
            VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), OldProtect, &OldProtect);
            return;
        }
    }
}
```



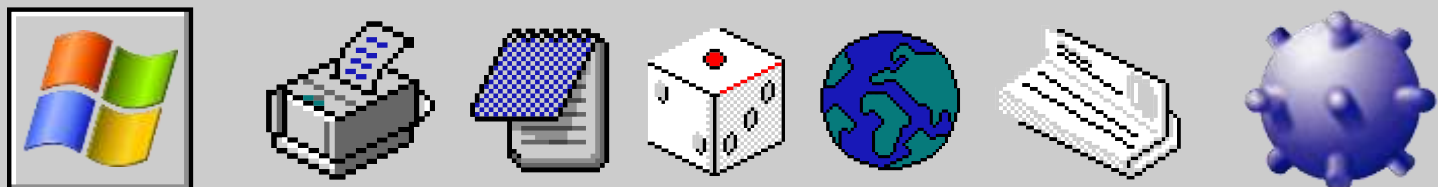
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Hotkey 트래거



GetAsyncKeyState(VK_F2)로
F2를 사용하면 발동되도록 설정함

```
DWORD WINAPI HotkeyThread(LPVOID lpParam)
{
    while (true) {
        if (GetAsyncKeyState(VK_F2) & 0x8000) {
            TriggerIATHook();
            Sleep(500); // 중복 입력 방지
        }
        Sleep(50);
    }
    return 0;
}
```



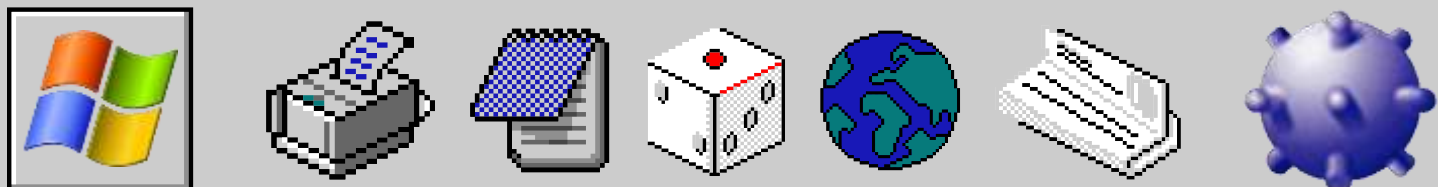
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Hotkey 트래거



F2가 발동하면 IAT후킹 트래거로 넘어가는걸 볼수있다

```
DWORD WINAPI HotkeyThread(LPVOID lpParam)
{
    while (true) {
        if (GetAsyncKeyState(VK_F2) & 0x8000) {
            TriggerIATHook();
            Sleep(500); // 중복 입력 방지
        }
        Sleep(50);
    }
    return 0;
}
```

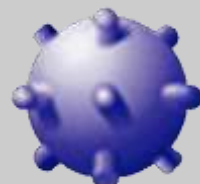
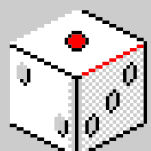


dll메인



dll을 로드할때
핫키 감지용 스레드를 생성한다

```
BOOL WINAPI DllMain(HINSTANCE hinstDLL, DWORD fdwReason, LPVOID lpvReserved)
{
    if (fdwReason == DLL_PROCESS_ATTACH) {
        DisableThreadLibraryCalls(hinstDLL);
        CreateThread(NULL, 0, HotkeyThread, NULL, 0, NULL);
    }
    return TRUE;
}
```



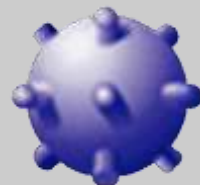
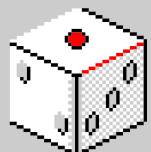
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dll메인



사용자가 F2를 누르면
후킹이 진행되도록 만들었다

```
BOOL WINAPI DllMain(HINSTANCE hinstDLL, DWORD fdwReason, LPVOID lpvReserved)
{
    if (fdwReason == DLL_PROCESS_ATTACH) {
        DisableThreadLibraryCalls(hinstDLL);
        CreateThread(NULL, 0, HotkeyThread, NULL, 0, NULL);
    }
    return TRUE;
}
```



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공격할 API를 선정한다.



코드를 분석한다.

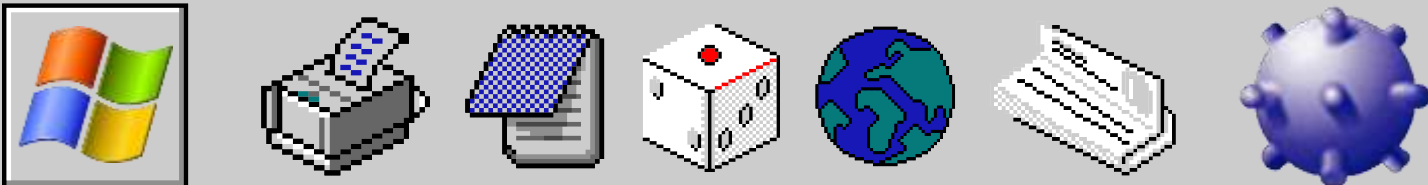
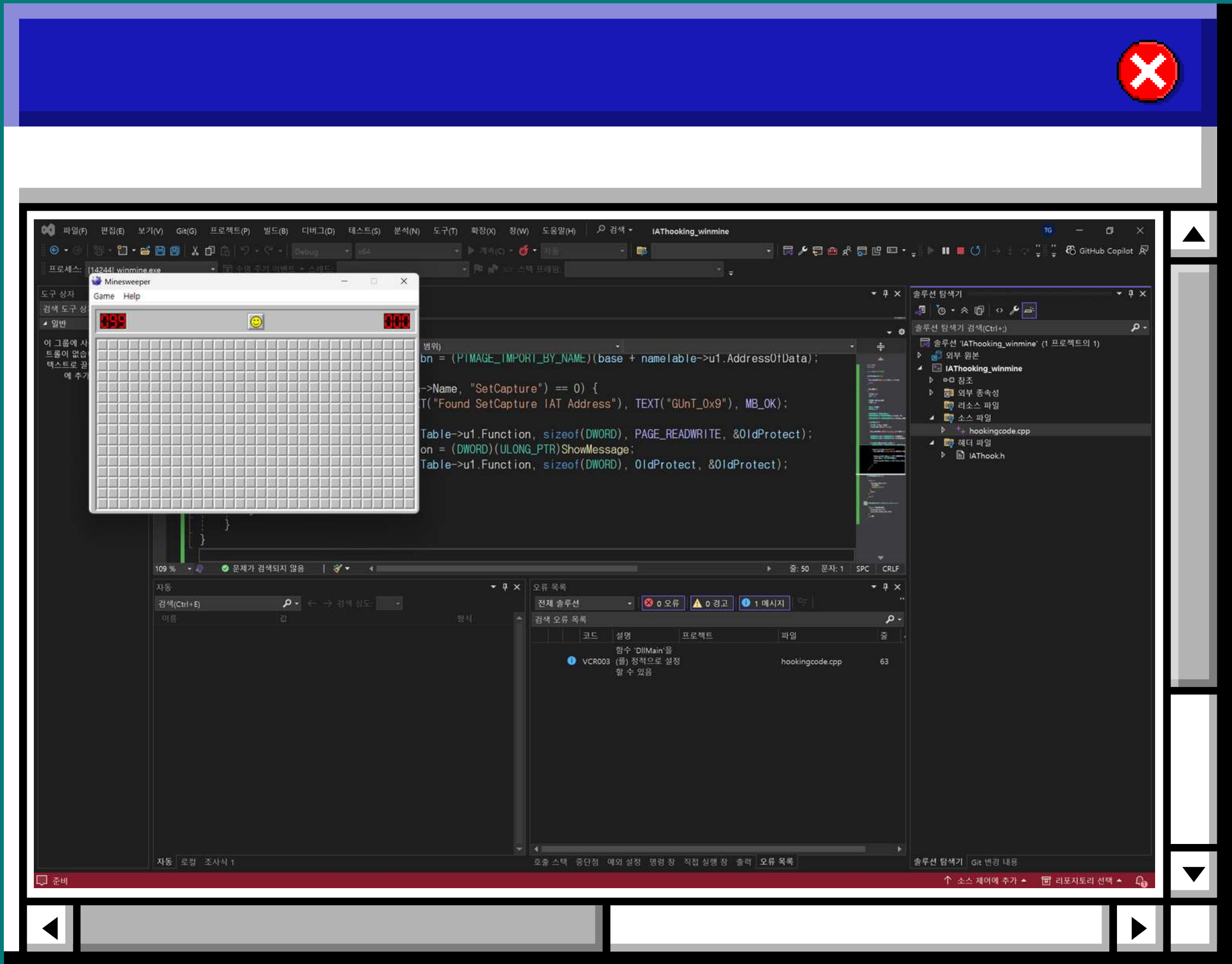


실행결과를 확인한다.

실행하기



실행하면 지뢰찾기가 실행된다.
하지만 아직 디버거를 삽입하지
않았기 때문에 후킹이
진행되지는 않는다.



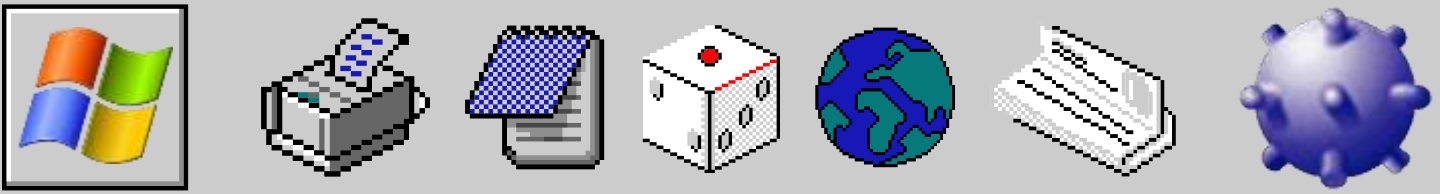
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실행하기



ProcessHacker.exe에서
Miscellaneous에서
inject dll를 들어가준다

The screenshot displays a Windows desktop environment. In the foreground, Process Hacker is running, showing a list of processes. The 'Miscellaneous' tab is active, and a context menu is open over the 'vshost.exe' process, with 'Inject DLL...' selected. In the background, Visual Studio is open, showing C++ code for IAT hooking. A Minesweeper game window is also visible, showing a grid and numbers. The desktop background is a blue gradient with a red 'X' icon in the top right corner.

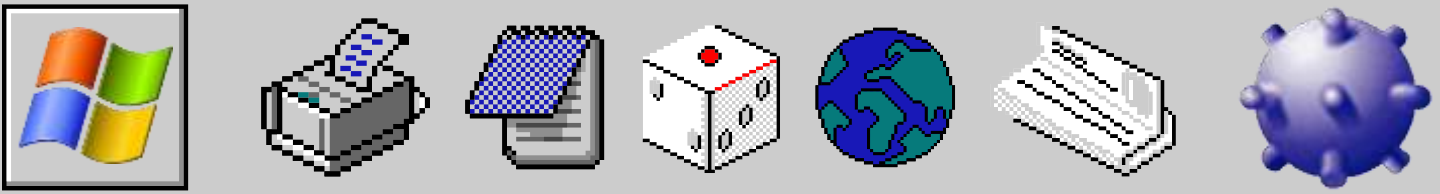
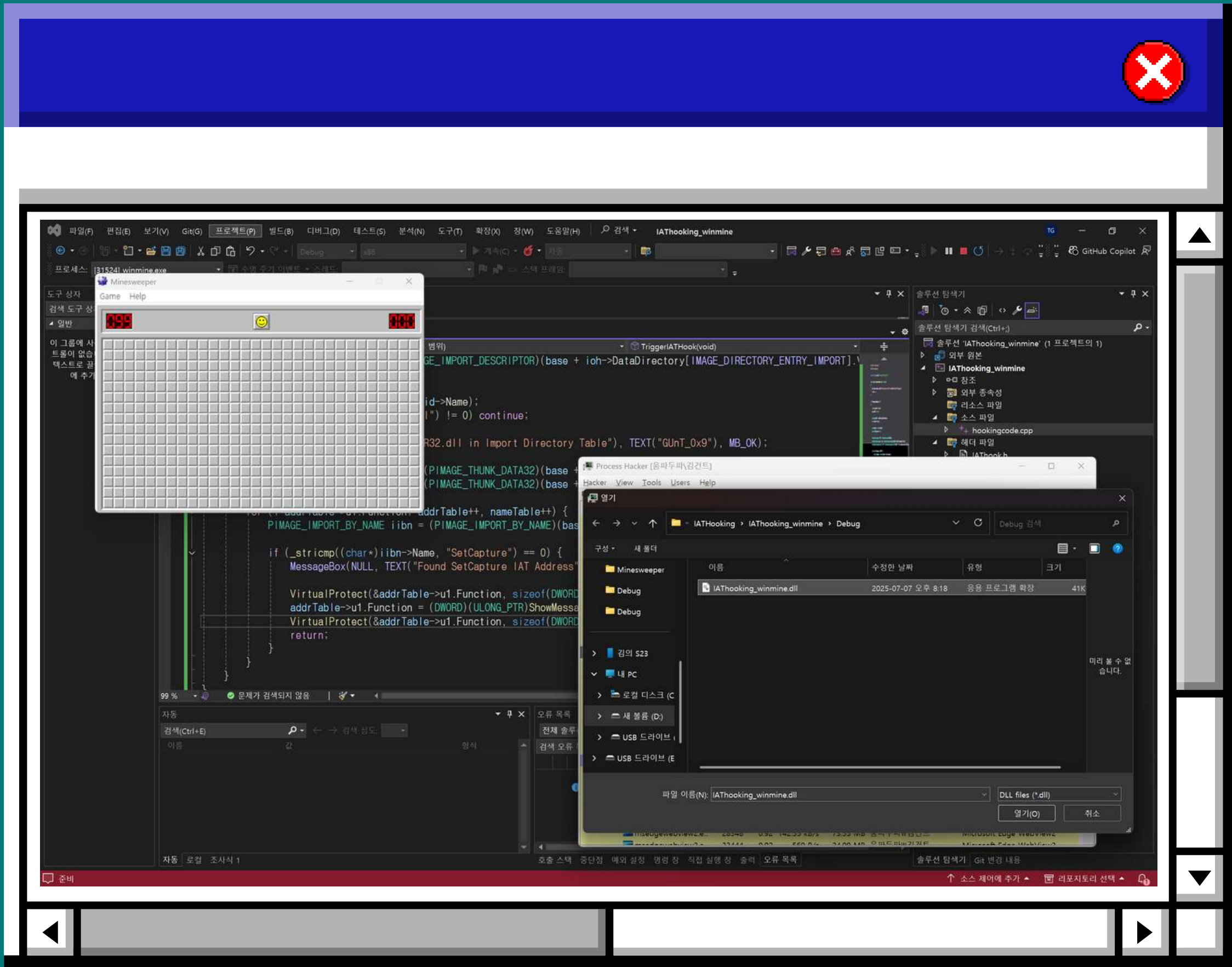


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실행하기



ProcessHacker.exe로
직접 inject.dll로.dll을 삽입함

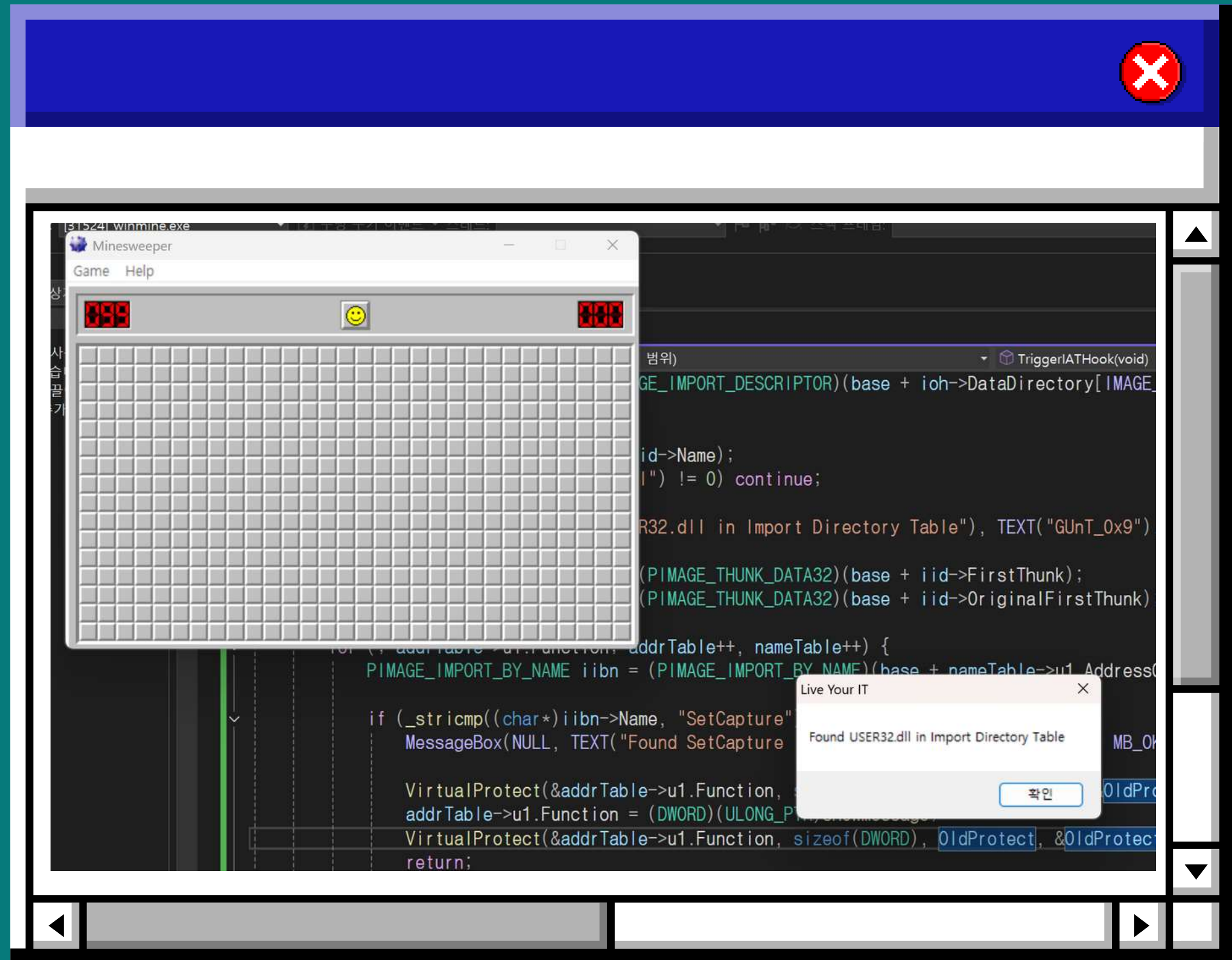


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실행하기



F2누르면 바로
import Directory Table를
찾는다는 메시지가 뜬다.



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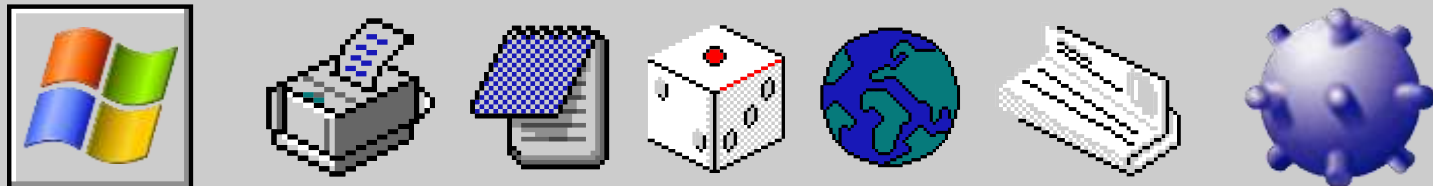
실행하기



Table을 찾으면 바로
SetCapture를 찾는다는
메세지가 뜬다.

The screenshot shows a debugger interface. In the foreground, a Minesweeper game window is open, displaying a 10x10 grid and a timer. In the background, a code window shows a function that searches for a 'SetCapture' IAT entry. A message box titled 'Live Your IT' is displayed, containing the text 'Found SetCapture IAT Address' and a '확인' (OK) button. The code in the background includes the following snippet:

```
if (_stricmp((char*)iibn->Name, "SetCapture") == 0) {  
    MessageBox(NULL, TEXT("Found SetCapture IAT Address"), MB_OK);  
    VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), OldProtect, &OldProtect);  
    addrTable->u1.Function = (DWORD)(ULONG_PTR)SetCapture;  
    VirtualProtect(&addrTable->u1.Function, sizeof(DWORD), OldProtect, &OldProtect);  
    return;  
}
```

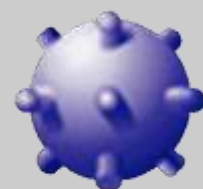
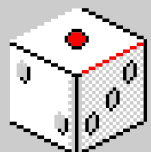
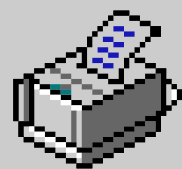
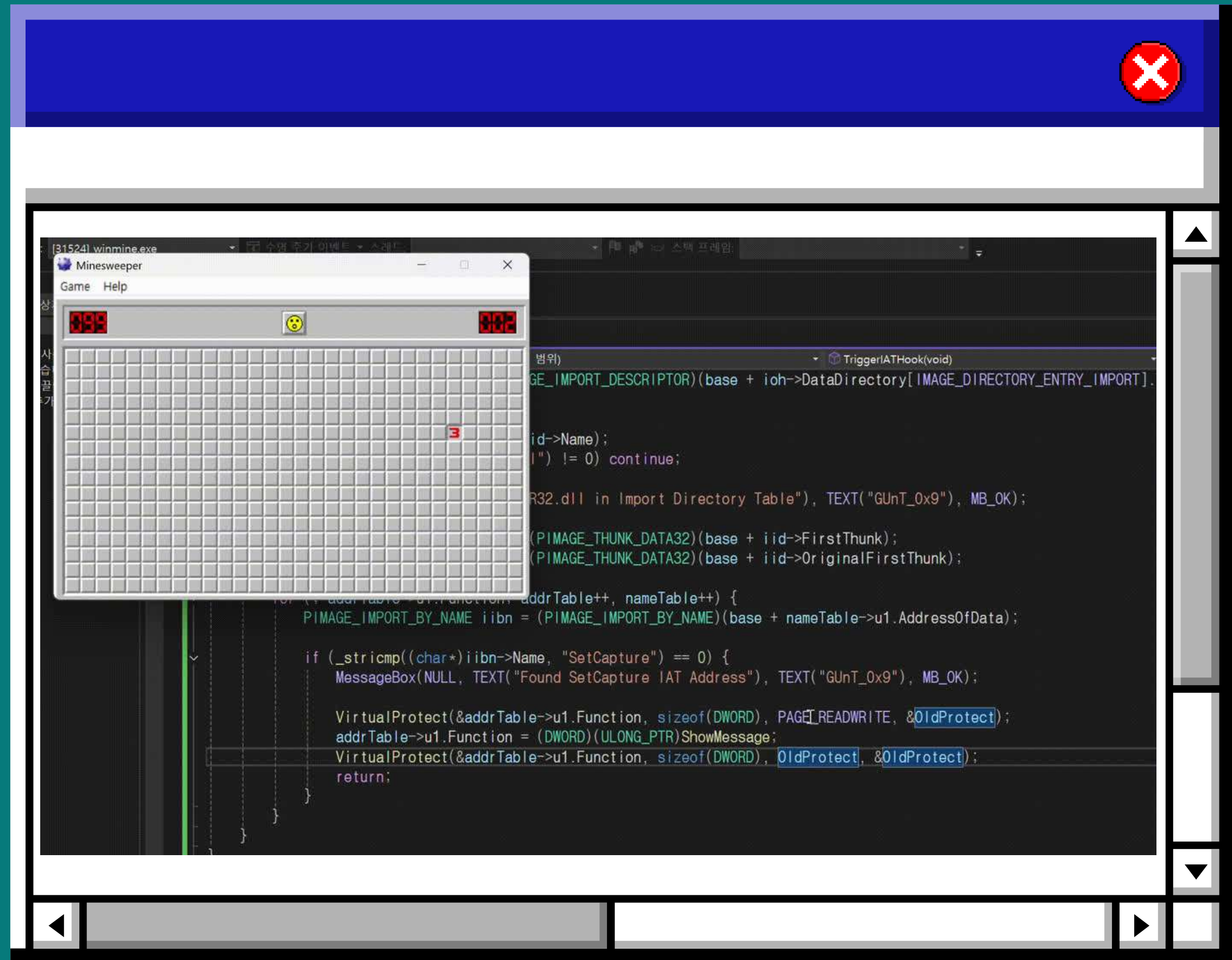


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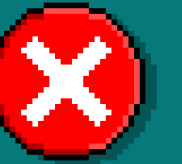
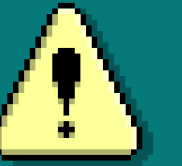
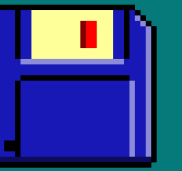
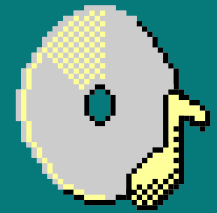
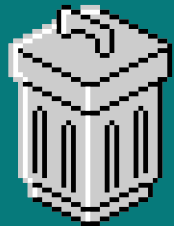
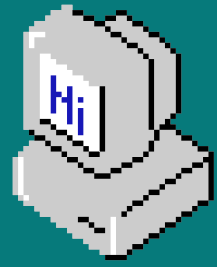
실행하기



SetCapture를 찾으면
지뢰찾기에서 어떤 클릭을 해도
메시지박스 내용이 뜨게 된다



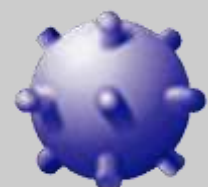
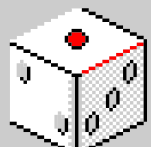
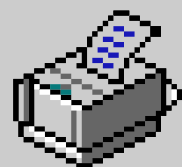
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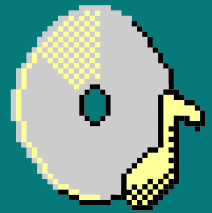
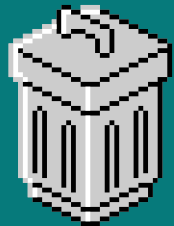
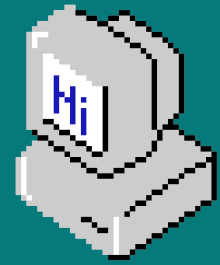
배우게 된 것 AND 더 알고 싶은 점



GUnT_0x9 | ogn09 | Mas\$y_J!



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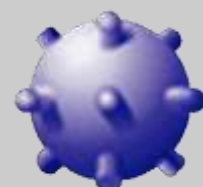
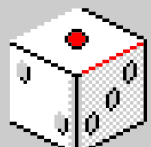
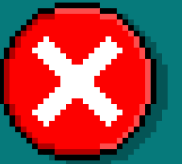
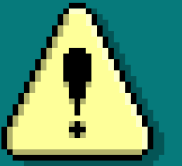
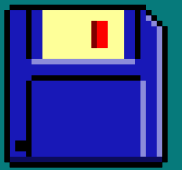


Patc

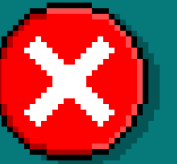
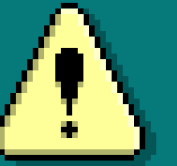
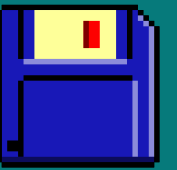
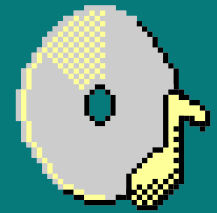
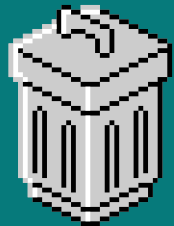
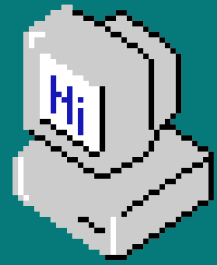


h

이번 세미나를 준비하면서 처음사용하는
IDA의 기능을 익히게 되었고, 처음으로
패치를 진행하여 작동하는 핵이 만들어
진
것에 뿌듯함을 느꼈습니다.



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Dll



injection

배운점

Dll의 개념과 Dll injection

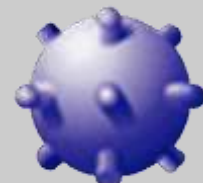
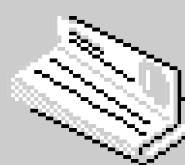
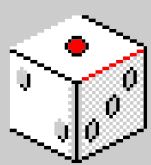
vscode2020 사용법

여러가지 환경설정 방법

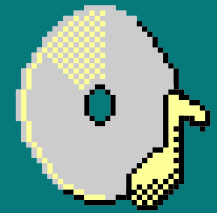
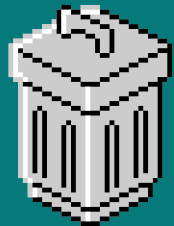
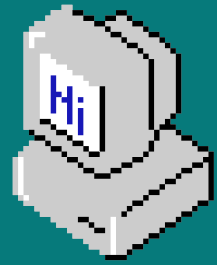
더 알아가고 싶은점

dll injection을 활용한 다양한 해킹 방법

dll injection이외의 다른 공격기법



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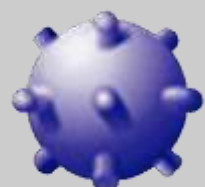
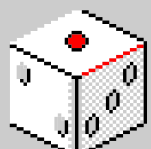
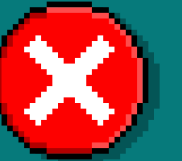
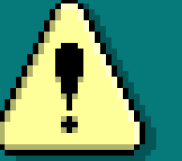
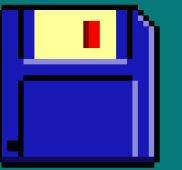


Hookin

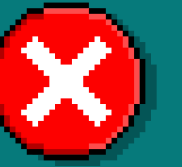
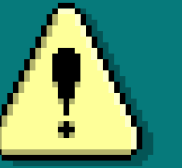
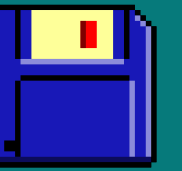
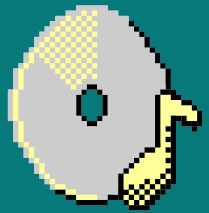
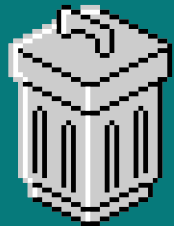
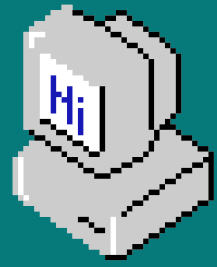


g

인터넷에 지뢰찾기 hooking 관련 정보가 없
어
힘들었지만 공격을 성공해 매세지박스가
성공적으로 실행할때 보람을 느꼈다.



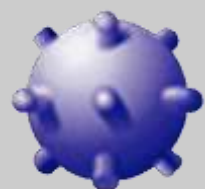
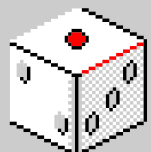
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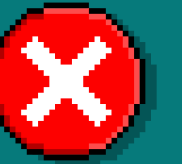
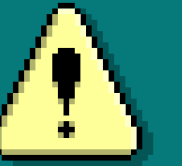
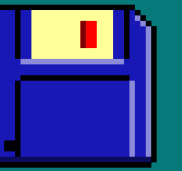
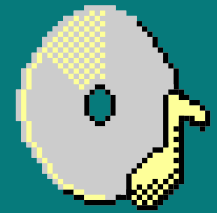
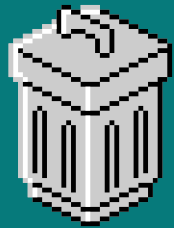
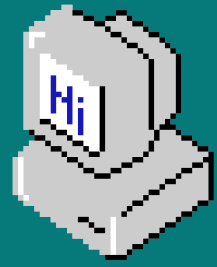
감사합니다



GUnT_0x9 | ogh09 | Mas\$y_J!



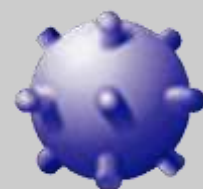
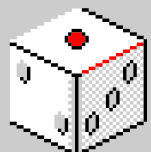
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Q&A



GUnT_0x9 | ogh09 | Mas\$y_J!



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PM