## OPTIONAL: 6.09 Implementing Player

Now that we've reversed the Player class, let's write our own program that makes a Player class and uses the functions related to the class.

The player's name doesn't have to be a std::string, it can probably be a const\* char as well.

## Copy/Paste Code

```
#include <iostream>
#include <Windows.h>

class Player {
public:
    int score;
    float health;
    std::string name;
};

//void __cdecl InitializePlayer(class Player * __ptr64)
typedef void(WINAPI* IInitializePlayer)(Player*); // ?
InitializePlayer@@YAXPEAVPlayer@@Z
//void PrintPlayerStats(Player);
typedef void(WINAPI* IPrintPlayerStats)(Player); // PrintPlayerStats
```

```
int main()
{
   Player player;
   HMODULE dll = LoadLibraryA("DLL.DLL"); //Load our DLL.
   if (dll != NULL)
   {
        //Initialize Player
        IInitializePlayer InitializePlayer =
(IInitializePlayer)GetProcAddress(dll, "?InitializePlayer@@YAXPEAVPlayer@@@Z");
        if (InitializePlayer != NULL) {
            InitializePlayer(&player);
        else { printf("Can't load the function."); }
        //PrintPlayerStats
        IPrintPlayerStats PrintPlayerStats =
(IPrintPlayerStats)GetProcAddress(dll, "PrintPlayerStats");
        if (InitializePlayer != NULL) {
            PrintPlayerStats(player);
        else { printf("Can't load the function."); }
   }
}
```

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