# Pico Gym Exclusive Picker IV

```
int win() {
   FILE *fptr;
   char c;

printf("You won!\n");
   // Open file
   fptr = fopen("flag.txt", "r");
```

This challenge is an example of a ret2win binary hacking challenge

# Ret2Win Challenges

```
└─$ ./picker-IV
Enter the address in hex to jump to, excluding '0x':
```

In Ret2Win challenges, the goal of the challenge is to force the program to run a function which it normally wouldn't run under normal circumstances

### Ret2Win Challenges

```
└─$ ./picker-IV
Enter the address in hex to jump to, excluding '0x':
```

```
int win() {
   FILE *fptr;
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```

This program gives us an easy way to run code according to its memory address, so if we know the address of the win function, we can run it and complete the challenge

# Finding the Function Address

There are a few different ways to find the memory address of a program function, such as the objdump command and the Rardare2 debugger

# Finding the Function Address

Keep in mind that memory addresses are often expressed in hexadecimal numbers