

# Lazy Game CTF Writeup

This document is a walkthrough on one way to solve the **Lazy Game CTF** on **CTFLearn**.  
The objective is to explain how I was able to solve this CTF to my future self.

## General Information

- *Difficulty:* **Easy**
- *Category:* **Binary Exploitation**
- *Link:* [Lazy Game Challenge - CTFLearn - CTF Practice](#)

## Introduction

Lazy Game Challenge 30 points Easy

I found an interesting game made by some guy named "John\_123". It is some betting game. I made some small fixes to the game; see if you can still pwn this and steal \$1000000 from me!

To get flag, pwn the server at: `nc thekidofarcrania.com 10001`

What we have to do is connect to the server provided in the description of the challenge  
To do this, we can use **Netcat** (nc for short), a useful networking tool that's capable of establishing TCP/UDP connections with a server.

Let's connect to the server:

```
(alexandre@vbox)-[~]  
$ nc thekidofarcrania.com 10001
```

We're greeted with the following prompt:

```
Welcome to the Game of Luck !.  
[1000000]  
Rules of the Game :  
(1) You will be Given 500$  
(2) Place a Bet  
(3) Guess the number what computer thinks of !  
(4) computer's number changes every new time !.  
(5) You have to guess a number between 1-10  
(6) You have only 10 tries !.  
(7) If you guess a number > 10, it still counts as a Try !  
(8) Put your mind, Win the game !..  
(9) If you guess within the number of tries, you win money !  
(10) Good Luck !..  
theKidOfArcrania:  
I bet you cannot get past $1000000!  
  
Are you ready? Y/N : 
```

In order to exploit this game, we simply have to enter a negative number as a bet, and forcefully lose. The algorithm doesn't even check if the bet is a negative number, which is why it's vulnerable to exploitation.

The second step is to forcefully lose the game. Yet again, we're allowed to bet numbers outside of the  $[1, 10]$  range, any character as a matter of fact, which shows more negligence from the program.

After doing this, we get the following screen:

We get the following flag:

CTFlearn{d9029a08c55b936cbc9a30 i wish real betting games were like this!}

