

# Introduction to Cyber Security

## OFFENSIVE SECURITY INTRO

### TASK 1

This task helped me understand offensive security — which is about finding and fixing security weaknesses by using the same methods hackers might use.

"To outsmart a hacker, you need to think like one."

This is the core of "Offensive Security." It involves breaking into computer systems, exploiting software bugs, and finding loopholes in applications to gain unauthorized access. The goal is to understand hacker tactics and enhance our system defences.

### Beginning Your Learning Journey

In this TryHackMe room, you will be guided through hacking your first website in a legal and safe environment. The goal is to show you how an ethical hacker operates.

But before we do that, let's review by answering the questions below. Type your answer in the text box after the question and click the "Submit" button. When you're done, proceed to Task 2.

Answer the questions below

Which of the following options better represents the process where you simulate a hacker's actions to find vulnerabilities in a system?

- Offensive Security
- Defensive Security

Offensive Security

✓ Correct Answer

🔍 Hint

### TASK 2

In the second task, I explored a simulated environment using a Virtual Machine, where I interacted with a fake banking application called Fakebank to safely practice ethical hacking techniques.

transfer money to and from client accounts. Due to human error or negligence, there may be instances when these pages are not made private, allowing attackers to find hidden pages that show or give access to admin controls or sensitive data.

To begin, type the following command into the terminal to find potentially hidden pages on FakeBank's website using Gobuster (a command-line security application).

```
gobuster -u http://fakebank.thm -w wordlist.txt dir
```

The command will run and show you an output similar to this:

```
ubuntu@tryhackme:~/Desktop$ gobuster -u http://fakebank.thm

=====
Gobuster v2.0.1                OJ Reeves (@TheColonial)
=====
[+] Mode       : dir
[+] Url/Domain : http://fakebank.thm/
[+] Threads    : 10
[+] Wordlist    : wordlist.txt
[+] Status codes : 200,204,301,302,307,403
[+] Timeout    : 10s
=====
2025/07/09 15:19:54 Starting gobuster
=====
Tr/Images (Status: 301)
/bank-transfer (Status: 200)
=====
2025/07/09 15:20:06 Finished
=====
ubuntu@tryhackme:~/Desktop$
```

Applications Places System

FakeBank | Bank Transfer — Mozilla Firefox

about:sessionrestore x FakeBank | Bank Transfer x +

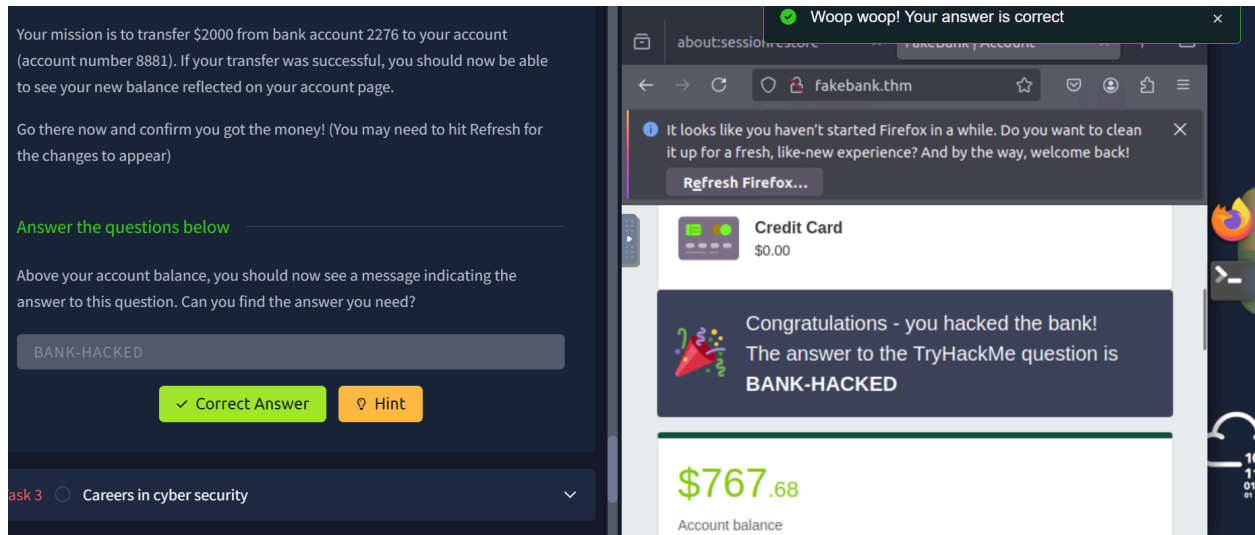
ubuntu@tryhackme: ~/Desktop

```
ubuntu@tryhackme:~/Desktop$ gobuster -u http://fakebank.thm -w wordlist.txt dir

=====
Gobuster v2.0.1                OJ Reeves (@TheColonial)
=====
[+] Mode       : dir
[+] Url/Domain : http://fakebank.thm/
[+] Threads    : 10
[+] Wordlist    : wordlist.txt
[+] Status codes : 200,204,301,302,307,403
[+] Timeout    : 10s
=====
2025/07/09 15:19:54 Starting gobuster
=====
Tr/Images (Status: 301)
/bank-transfer (Status: 200)
=====
2025/07/09 15:20:06 Finished
=====
ubuntu@tryhackme:~/Desktop$
```

Hack FakeBank v2.2

50min 41s



### TASK 3

In the third task, I learned about inspiring success stories from people who used TryHackMe to start their careers, and I also discovered the different career opportunities available in the field of cybersecurity.

