TryHackMe: Offensive Security Intro — Writeup

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Room : Offensive Security Intro

✓ **Task 1:** What is Offensive Security?

This task introduces the concept of **Offensive Security**, which refers to the proactive approach in cybersecurity to simulate attacks on systems to identify vulnerabilities before real attackers do.

Task 1 ✅ What is Offensive Security?

"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:** Hacking Your First Machine

In this task, we interact with a simulated vulnerable website. The goal is to practice exploiting a basic **web vulnerability**.

▪ Step 1: Starting the Machine and Exploring the Target

Once the TryHackMe room launched, I clicked **Start Machine**, which opened a **split-view screen** with the browser showing the FakeBank website. This simulated a real-world environment for ethical hacking.
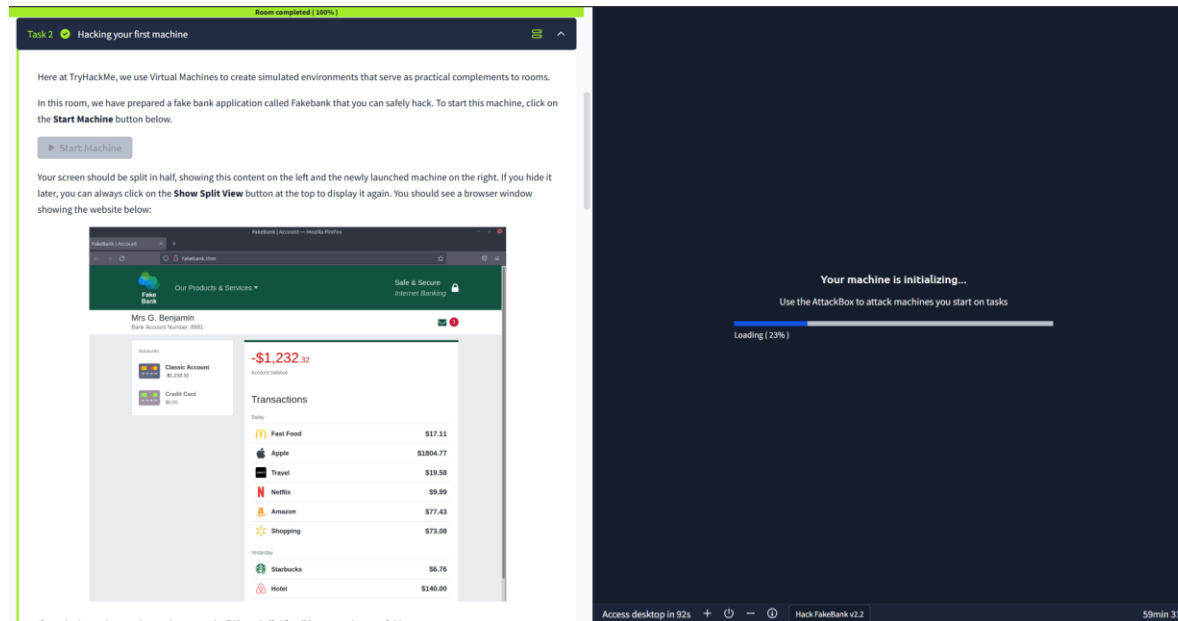
- **Step 2:** Finding Hidden Directories Using Gobuster

I opened the terminal in the virtual machine and ran the following command:

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

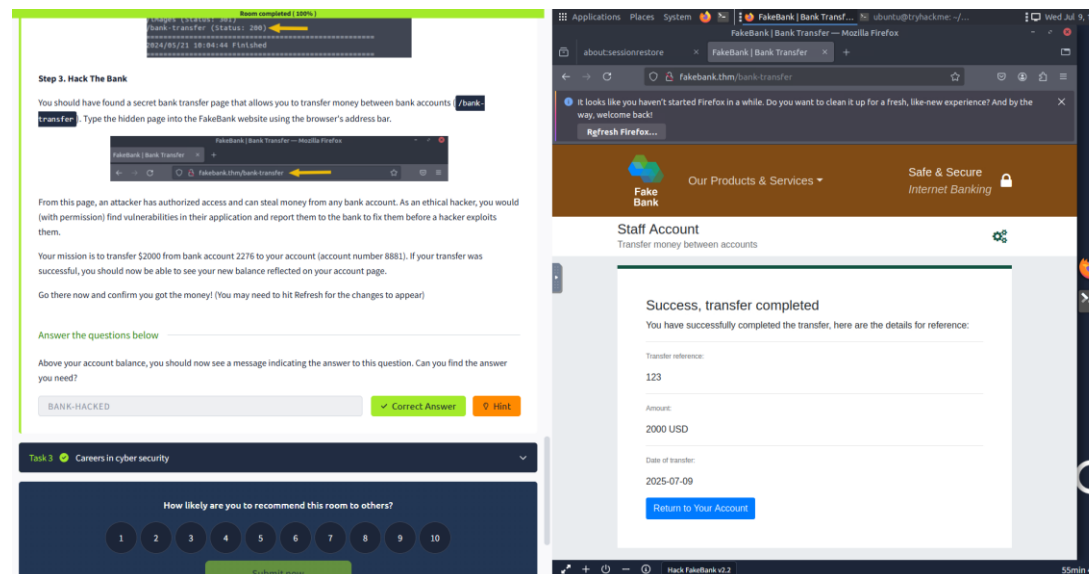- **Step 3:** Exploiting the Bank Transfer Functionality

I visited the hidden path:

http://fakebank.thm/bank-transfer

This page allowed me to initiate a bank transfer. Following the instructions:
•From: 2276
•To: 8881
•Amount: 2000
After completing the transfer and refreshing the account page, I saw my new balance reflected and a confirmation message:

BANK-HACKED

✓ **Task 3:** Careers in Cybersecurity

This task gives insight into different roles in cybersecurity, especially focusing on offensive roles.

Offensive Roles Discussed:

• Penetration Tester: Simulates attacks to find vulnerabilities.
• Red Teamer: Tests overall security using adversary emulation.
• Bug Bounty Hunter: Finds and reports bugs in return for rewards.