

Cybersecurity Internship Assignment — TryHackMe Introductory Labs Report

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1 Room: Hello World

Link: <https://tryhackme.com/room/hello>

Learning Objective:

This room introduced me to the TryHackMe platform and its hands-on, challenge-based learning model. I explored virtual labs and understood how to follow structured room tasks for self-paced cybersecurity training.

Key Tools/Commands Used:

Web browser, TryHackMe Task interface.

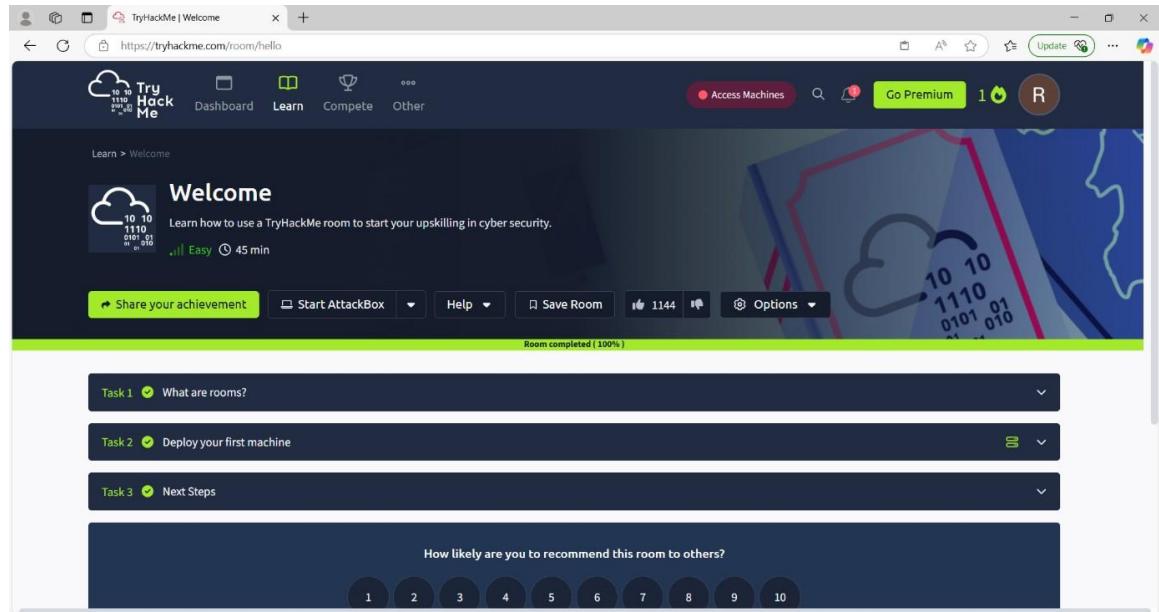
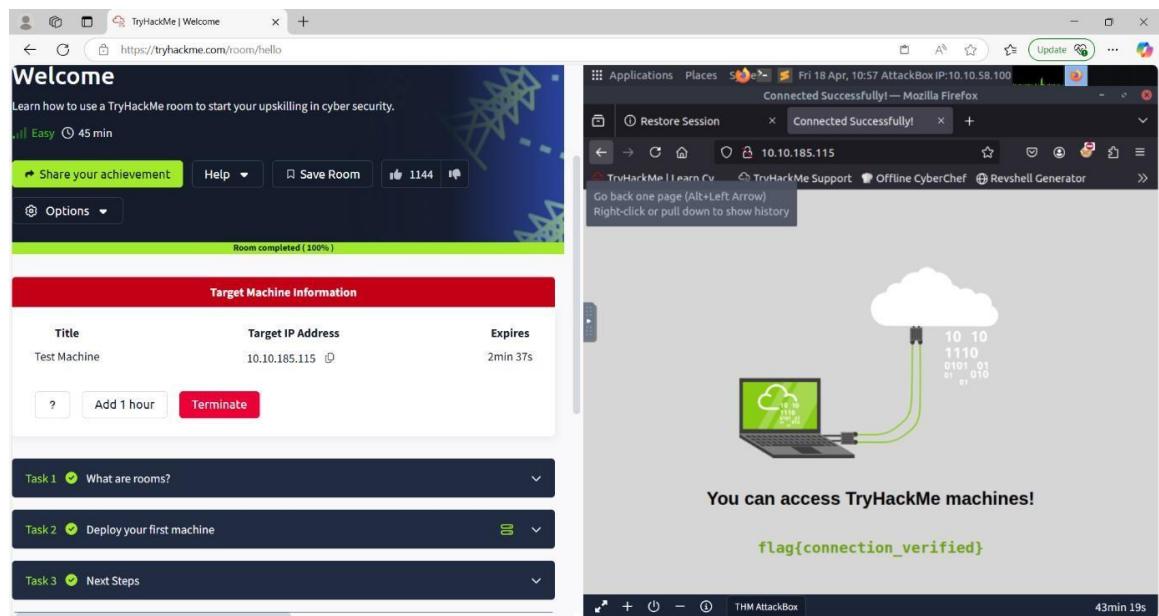
Concepts Learned:

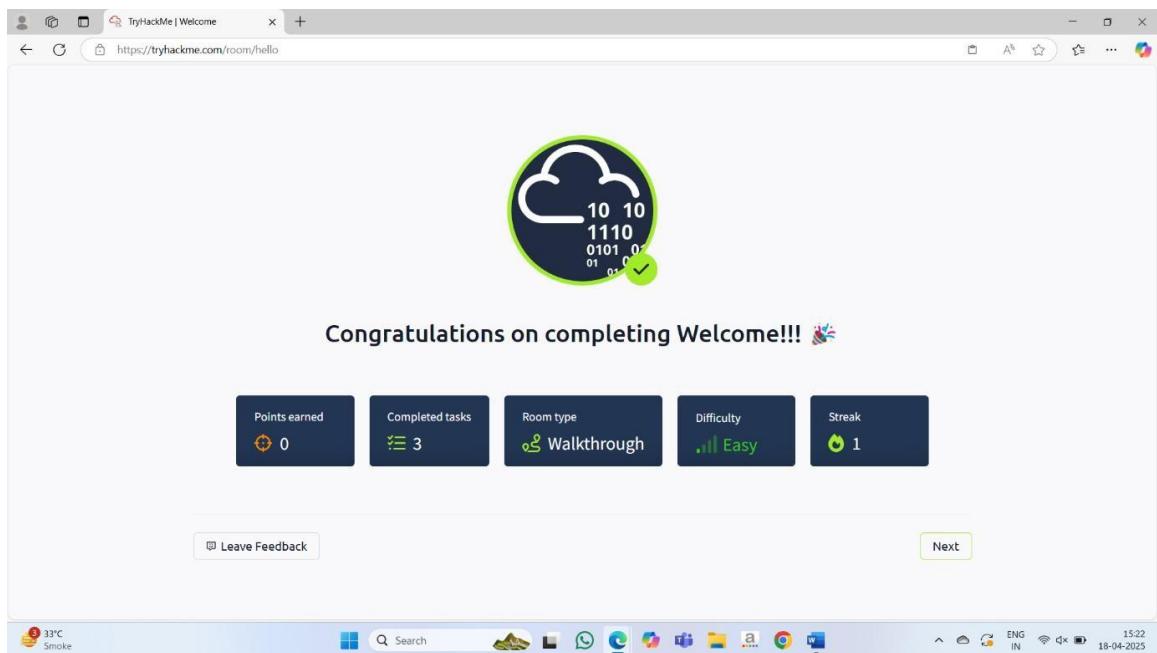
- Introduction to virtual labs.
- Understanding room structures.
- How practical exercises enhance cybersecurity concepts.

Walkthrough / How I Solved It:

I signed in, explored the platform, and solved introductory questions designed to guide new learners through room navigation, task completion, and answer submission. I also learned how hints, flags, and task progress help track learning.

Screenshots:





Personal Takeaways:

This room built my confidence in using virtual labs and gave me clarity on how to approach future rooms systematically.

2 Room: How to Use TryHackMe

Link: <https://tryhackme.com/room/howtousetryhackme>

Learning Objective:

To understand the interactive layout of TryHackMe rooms and how to effectively engage with their educational challenges.

Key Tools/Commands Used:

Web interface, interactive panels.

Concepts Learned:

- Understanding task panels and answer validation.
- Using hints and guides to solve exercises.
- Familiarity with TryHackMe's learning flow.

Walkthrough / How I Solved It:

I explored the tutorial-style room, followed the instructions, and practiced answering questions ranging from multiple-choice to hands-on tasks.

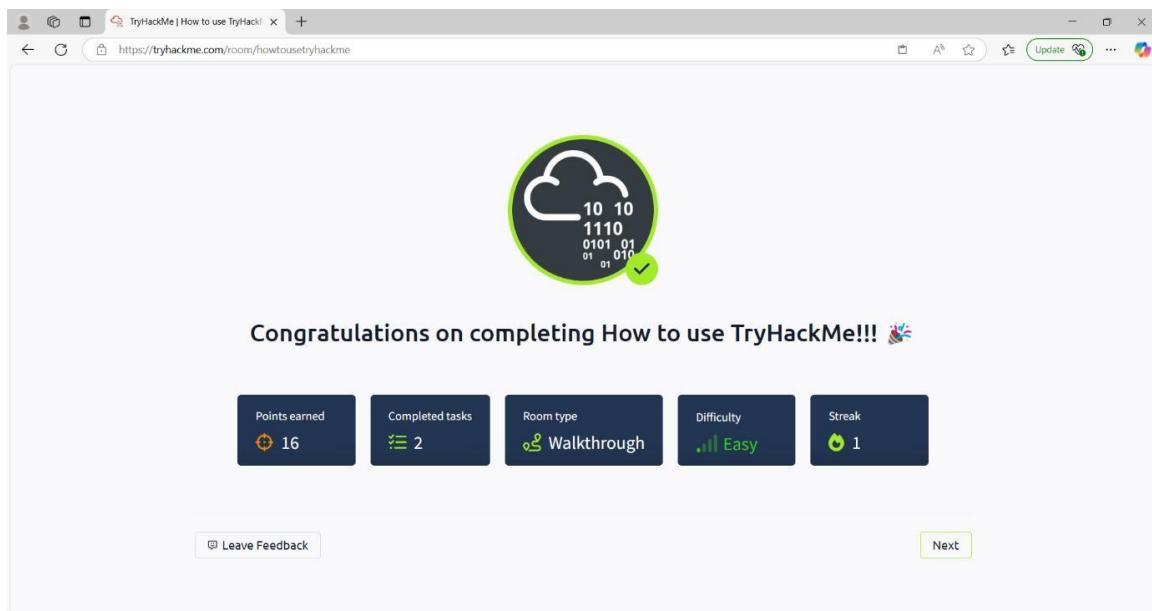
Screenshots:

This screenshot shows the 'How to use TryHackMe' room on the TryHackMe website. The left pane displays the room's title, a difficulty rating of 'Easy' (45 min), and a summary of completed tasks: 'Share your achievement', 'Start AttackBox', 'Help', 'Save Room', '468 likes', and 'Options'. A progress bar at the bottom indicates 'Room completed (100%)'. The right pane shows a terminal session titled 'Tutorial Machine' with the following output:

```
10 10
TRY HACK ME
1110 10 Making it easier to break into security
0101 01 Tutorial Machine
01 10
01

linux@tutorial:~$ ls
testdir
linux@tutorial:~$ ^C
linux@tutorial:~$ testdirtestdir
testdirtestdir: command not found
linux@tutorial:~$ cd testdir
linux@tutorial:~/testdir$ cat hello.txt
hacking labs
linux@tutorial:~/testdir$
```

This screenshot shows the same room after completing tasks. The left pane now includes a 'Target Machine Information' section with the title 'Tutorial Machine', target IP '10.10.175.255', and expiration time '7min 59s'. The right pane shows a terminal session with the same output as before. Below the terminal, a feedback section displays two tasks: 'Task 1' (Starting your first machine) and 'Task 2' (Next Steps). At the bottom, a survey asks 'How likely are you to recommend this room to others?' with a scale from 1 to 10, and a 'Submit now' button.



Personal Takeaways:

This room helped me develop confidence in using the platform's tools and showed me how to maximize self-learning using built-in guidance.

3 Room: Getting Started

Link: <https://tryhackme.com/room/gettingstarted>

Learning Objective:

To understand how TryHackMe uses virtual environments for hands-on security training.

Key Tools/Commands Used:

Browser-based terminal.

Concepts Learned:

- Offensive vs. defensive security roles.
- Understanding virtual machines (VMs) in cybersecurity labs.

Walkthrough / How I Solved It:

I launched lab machines, explored the exercises, and practiced using virtual systems to answer scenario-based questions.

Screenshots:

This screenshot shows the 'Getting Started' room on TryHackMe. At the top, there's a navigation bar with 'Dashboard', 'Learn', 'Compete', and 'Other' tabs. A green 'Go Premium' button is visible. Below the navigation is a large 'Getting Started' section featuring a cloud icon and binary code. It includes a 'Share your achievement' button, an 'AttackBox' button, a 'Help' dropdown, a 'Save Room' button, and social sharing links for 588 likes and 1 comment. A 'Room completed (100%)' message is at the bottom. The main content area is titled 'Target Machine Information' and shows a table with columns for Title, Target IP Address, and Expires. It lists 'Beginner Walkthrough' with IP 10.10.80.209 and expiration in 9min 8s. Buttons for '?', 'Add 1 hour', and 'Terminate' are available. Below this are three task sections: 'Task 1 Introduction', 'Task 2 Default Credentials', and 'Task 3 Conclusion', each with a dropdown arrow.

This screenshot shows the completion screen for the 'Getting Started' room. It features a large circular icon with a cloud and binary code, with a green checkmark indicating completion. Below the icon, the text 'Congratulations on completing Getting Started!!!' is displayed with a small trophy emoji. At the bottom, there are five summary cards: 'Points earned' (24), 'Completed tasks' (3), 'Room type' (Walkthrough), 'Difficulty' (Easy), and 'Streak' (1). A 'Leave Feedback' button and a 'Next' button are at the very bottom.

Personal Takeaways:

This room taught me how hands-on practice enhances theoretical knowledge and highlighted the importance of virtual environments in cybersecurity training.

Room: Welcome

Link: <https://tryhackme.com/room/welcome>

Learning Objective:

Explore TryHackMe's mission, community-driven resources, and the importance of collaborative learning in cybersecurity.

Key Tools/Commands Used:

Learning paths, community discussion boards, knowledge-sharing platforms.

Concepts Learned:

- The importance of community collaboration in cybersecurity.
- Structured learning via 'Learning Paths' for skill development.
- TryHackMe's role in creating an interactive, supportive cyber community.

Walkthrough / How I Solved It:

I explored the 'Learning Paths' feature that helps users identify and follow structured roadmaps tailored to different cybersecurity roles. Additionally, I reviewed community features like discussion forums and leaderboards to understand how global learners share insights and motivate each other.

Personal Takeaways:

This room inspired me to become an active part of the cybersecurity community. I realized that participating in discussions, solving challenges, and helping others builds both knowledge and professional networks.

Room: TryHackMe Tutorial

Link: <https://tryhackme.com/room/tutorial>

Learning Objective:

Master basic Linux navigation commands essential for cybersecurity tasks.

Key Tools/Commands Used:

ls, pwd, cd, cat.

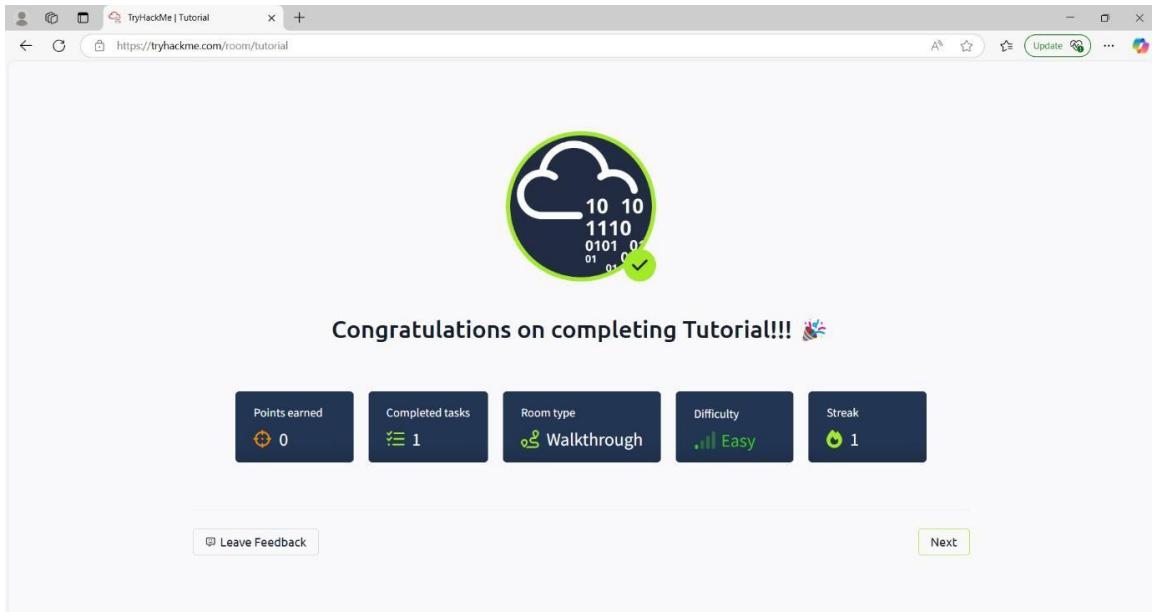
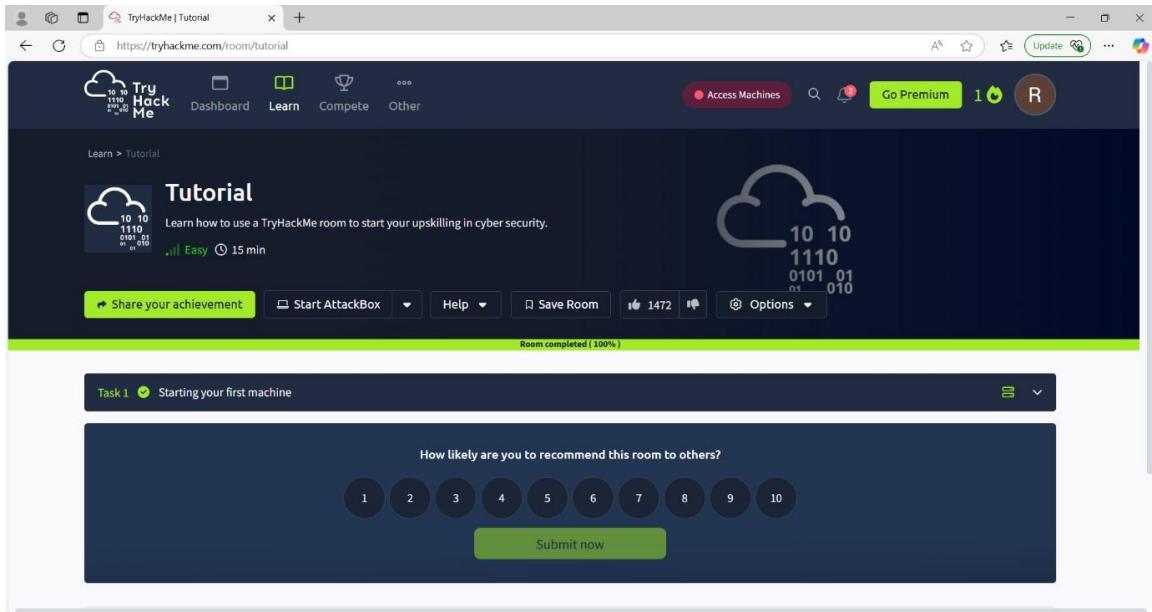
Concepts Learned:

- Terminal navigation.
- Linux file system structure.
- File reading and directory traversal.

Walkthrough / How I Solved It:

I used foundational Linux commands to navigate, list files, read content, and solve practical exercises designed to simulate real-world terminal usage.

Screenshots:



Personal Takeaways:

Proficiency with the terminal is a key technical skill, and this room reinforced the importance of mastering it early for smooth cybersecurity practice.

6 Room: OpenVPN Configuration

Link: <https://tryhackme.com/room/openvpn>

Learning Objective:

Understand the secure connection setup to TryHackMe's remote labs using OpenVPN.

Key Tools/Commands Used:

sudo openvpn configfile.ovpn, ifconfig, ping.

Concepts Learned:

- VPN fundamentals and security considerations.
- Verifying successful VPN connection.
- Accessing isolated lab environments safely.

Walkthrough / How I Solved It:

I downloaded the OpenVPN config file, ran the connection command, verified my IP and connectivity using 'ifconfig' and 'ping', and confirmed access to the labs securely through VPN.

Screenshots:

The screenshot shows the TryHackMe web interface for the OpenVPN room. At the top, there's a navigation bar with links for Dashboard, Learn, Compete, Other, Access Machines, Go Premium, and a user profile icon. Below the navigation is a banner with the text "OpenVPN" and a subtitle "A guide to connecting to our network using OpenVPN." It also indicates the difficulty level as "Easy" and the duration as "45 min". The main content area is titled "Target Machine Information" and shows a table with one row: "Title" (OpenVPN - Check Connection), "Target IP Address" (10.10.73.97), and "Expires" (9min 19s). There are buttons for "?" (Help), "Add 1 hour", and "Terminate". Below this, there are two task sections: "Task 1" showing "Connecting to our network" and "Task 2" showing "Connecting with Windows". Both tasks have green checkmarks indicating they are completed.

The screenshot shows the 'Target Machine Information' section of the TryHackMe OpenVPN room. It displays the following details:

- Title:** OpenVPN - Check Connection
- Target IP Address:** 10.10.73.97
- Expires:** 8min 52s

Buttons for help, adding 1 hour, and terminating the session are available. Below this, a list of completed tasks is shown:

- Task 1: Connecting to our network
- Task 2: Connecting with Windows
- Task 3: Connecting with MacOS
- Task 4: Connecting with Linux
- Task 5: Using TryHackMe without a VPN
- Task 6: Check you're connected

A rating section asks "How likely are you to recommend this room to others?" with a scale from 1 to 10.

The screenshot shows the completion screen for the OpenVPN room. It features a large orange keyhole icon with the text "OPEN VPN" and a checkmark.

Congratulations on completing OpenVPN!!! 🎉

Summary statistics:

- Points earned: 0
- Completed tasks: 6
- Room type: Walkthrough
- Difficulty: Easy
- Streak: 1

Buttons for leaving feedback and proceeding to the next room are at the bottom.

Personal Takeaways:

Secure communication through VPNs is foundational in cybersecurity. This room taught me how to set up and verify secure connections in real-world scenarios.

7 Room: Beginner Path Introduction

Link: <https://tryhackme.com/room/beginnerpathintro>

Learning Objective:

Understand the structured beginner roadmap provided by TryHackMe.

Key Tools/Commands Used:

None — Informational walkthrough.

Concepts Learned:

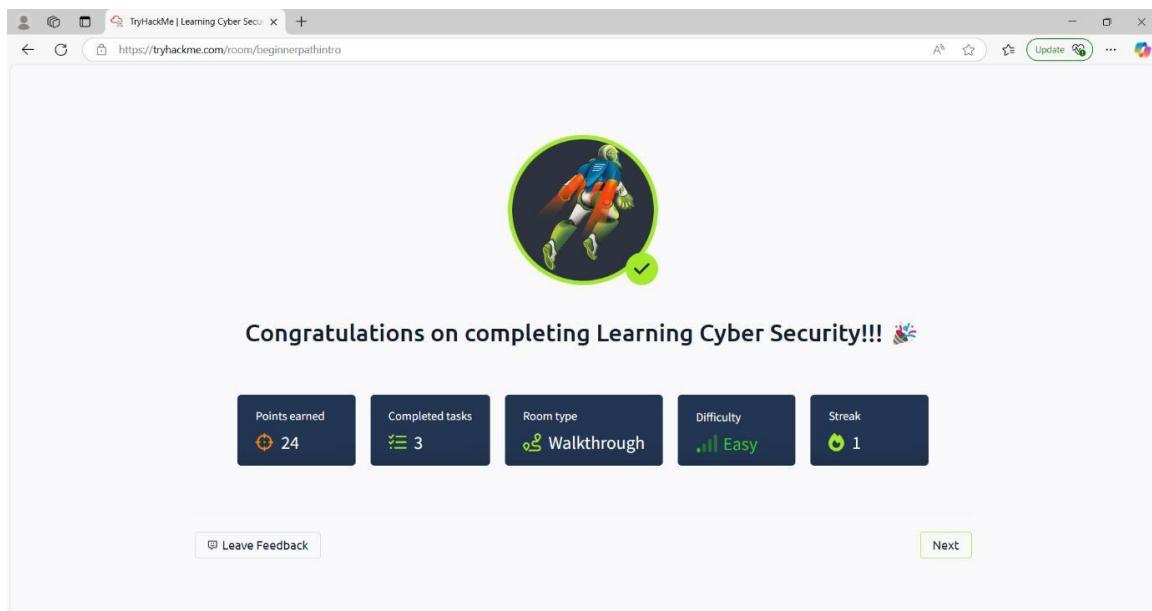
- Planning a cybersecurity learning journey.
- Exploring specializations like Ethical Hacking, Blue Teaming, and Red Teaming.

Walkthrough / How I Solved It:

I reviewed the beginner-friendly path, analyzed how topics are structured, and identified future rooms that align with my career goals.

Screenshots:





Personal Takeaways:

Having a roadmap helps in systematic growth and prevents knowledge gaps, making learning efficient and focused.

8 Room: Starting Out in Cyber Security

Link: <https://tryhackme.com/room/startingoutincybersec>

Learning Objective:

Gain a high-level understanding of cybersecurity fields, terms, and practices.

Key Tools/Commands Used:

Web research, terminal basics.

Concepts Learned:

- Cybersecurity domains (network security, application security, digital forensics).
- Common attack types and prevention methods.

Walkthrough / How I Solved It:

I completed a variety of quiz-based questions, each focused on real-world security principles, terminology, and career advice.

Screenshots:

This screenshot shows the 'Starting Out In Cyber Sec' room on TryHackMe. The page has a dark blue header with the TryHackMe logo, navigation links for Dashboard, Learn, Compete, and Other, and a user profile icon. Below the header, the room title 'Starting Out In Cyber Sec' is displayed with a cloud icon and binary code. A brief description follows: 'Learn about the different career paths in Cyber Security and how TryHackMe can help!' with difficulty level 'Easy' and duration '10 min'. There are buttons for 'Share your achievement', 'Help', 'Save Room', and 'Options'. A progress bar at the top indicates 'Room completed (100%)'. The main content area lists three tasks: 'Task 1 Welcome To TryHackMe', 'Task 2 Offensive Security', and 'Task 3 Defensive Security', each with a green checkmark. At the bottom, a rating scale from 1 to 10 is shown.

This screenshot shows the completion summary for the 'Starting Out In Cyber Sec' room. It features a large circular icon with a cloud and binary code, a green checkmark, and a congratulatory message: 'Congratulations on completing Starting Out In Cyber Sec!!! 🎉'. Below this are five summary cards: 'Points earned' (16), 'Completed tasks' (3), 'Room type' (Walkthrough), 'Difficulty' (Easy), and 'Streak' (1). At the bottom are 'Leave Feedback' and 'Next' buttons.

Personal Takeaways:

This room broadened my knowledge of cybersecurity job roles and highlighted how foundational concepts are interrelated.

9 Room: Introduction to Research

Link: <https://tryhackme.com/room/introtoresearch>

Learning Objective:

Develop research skills crucial for solving cybersecurity problems.

Key Tools/Commands Used:

Search engines, official documentation, forums.

Concepts Learned:

- Critical thinking and independent troubleshooting.
- Using online resources responsibly and efficiently.
- Importance of self-learning in cybersecurity.

Walkthrough / How I Solved It:

I applied research techniques to explore new terms, solve room questions, and validate my answers using reputable sources.

Screenshots:



TryHackMe | Introductory Research

https://tryhackme.com/room/introresearch

Room completed (100%)

Official Walkthrough

Watch on YouTube

Task 1 ✓ Introduction

Task 2 ✓ Example Research Question

Task 3 ✓ Vulnerability Searching

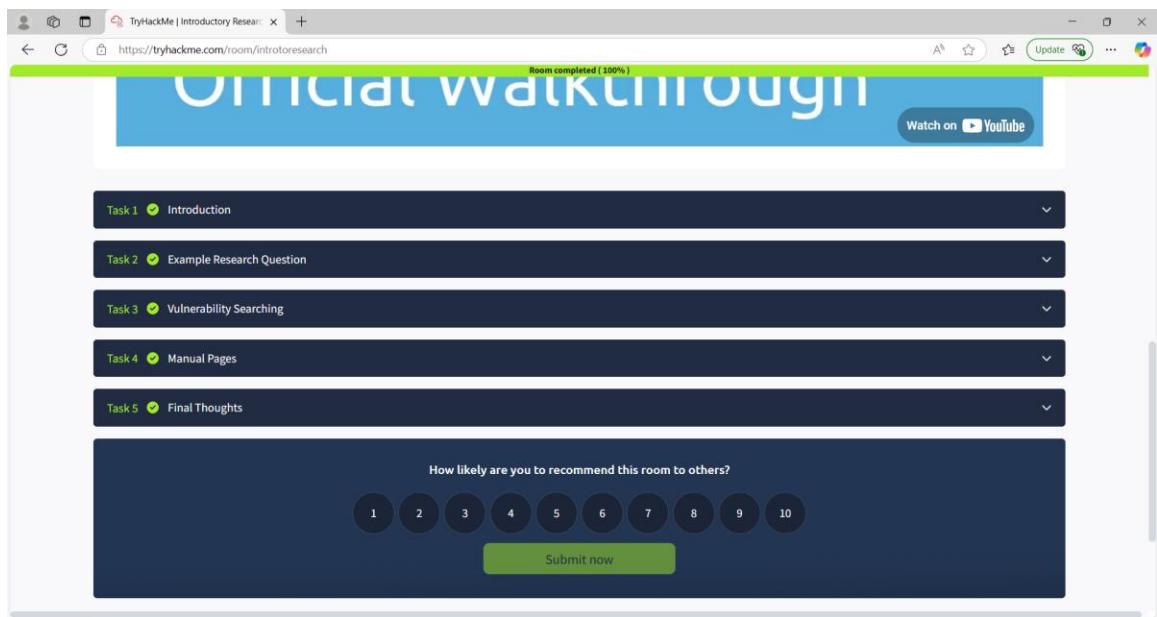
Task 4 ✓ Manual Pages

Task 5 ✓ Final Thoughts

How likely are you to recommend this room to others?

1 2 3 4 5 6 7 8 9 10

Submit now



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TryHackMe | Introductory Research

https://tryhackme.com/room/introresearch



Congratulations on completing Introductory Researching!!! 🎉

Points earned: 104

Completed tasks: 5

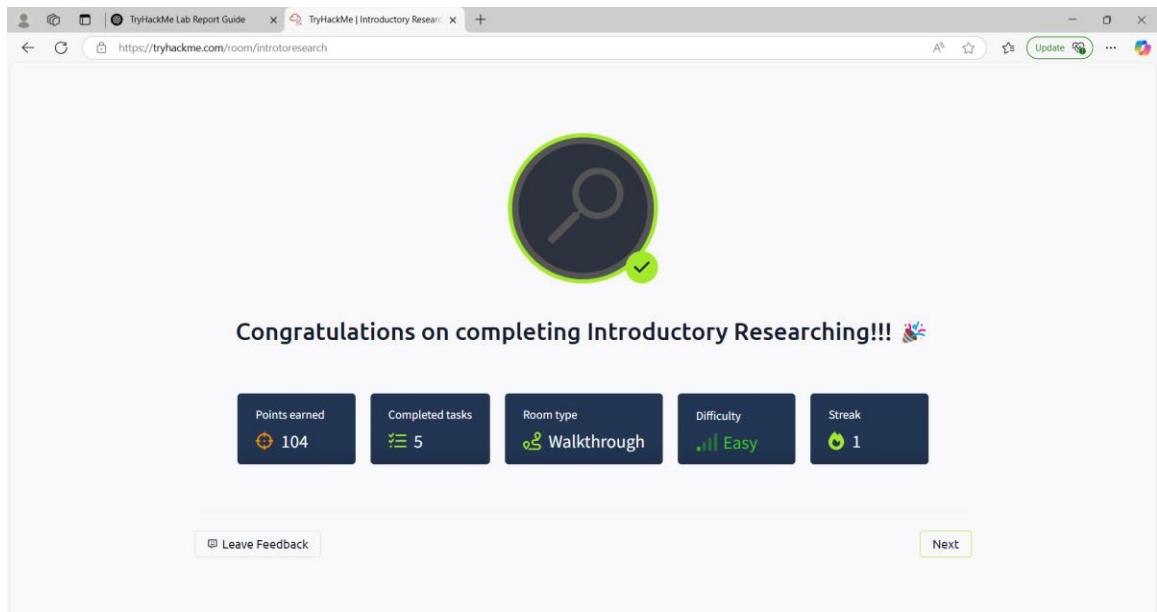
Room type: Walkthrough

Difficulty: Easy

Streak: 1

Leave Feedback

Next



Personal Takeaways:

This room taught me that strong research ability is a vital soft skill for every cybersecurity professional. It fosters independence and lifelong learning.

Report Completed By: Rujuta Shetkar

Filename: Rujuta Shetkar_TryHackMeIntro_Report.pdf