

# Cybersecurity Internship Assignment — TryHackMe Introductory Labs

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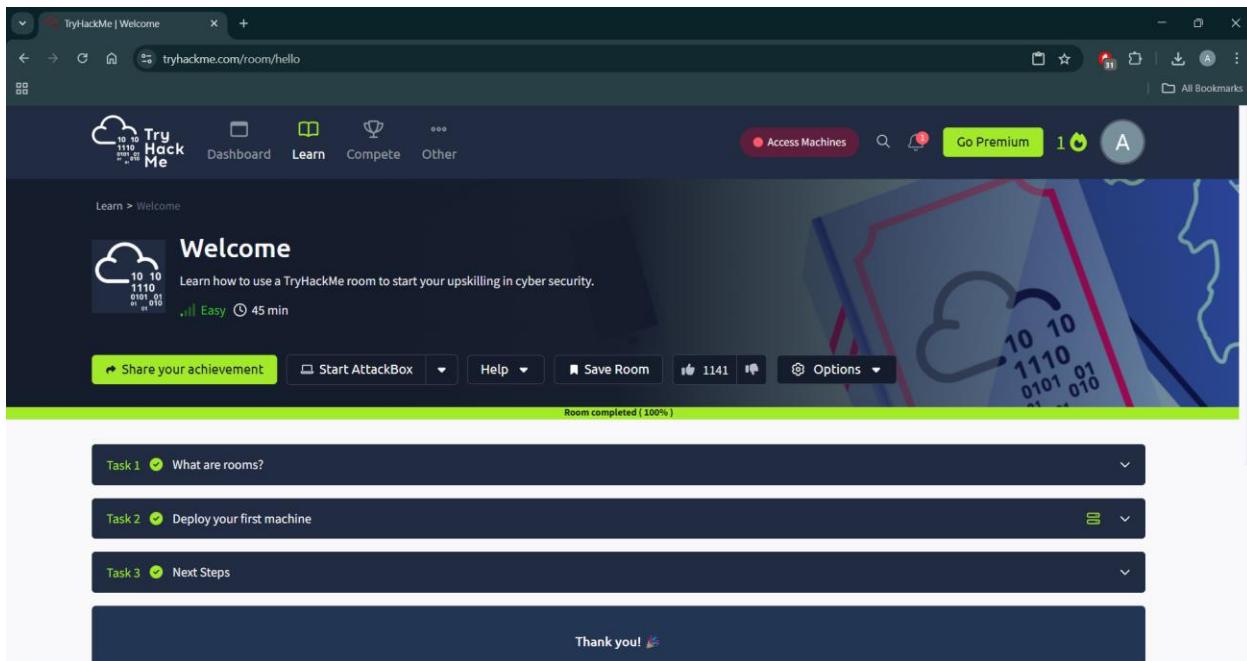
**Program:** Digosuraksha Parhari Foundation Internship

**Issued by:** Digosuraksha Parhari Foundation

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## 1. Room: Hello World



🔗 Link : [Hello World](https://tryhackme.com/room/hello)

🎯 Learning Objective:

Getting Started with TryHackMe, understanding the basic and working of platform.

🛠 Key Tool/Command Used:

Web Browser

◻ Concept Learned:

Learn What is room and what is the use of platform and how to use this platform.

How to join rooms, complete tasks, and track progress and Deploying the machine.

🔍 Walkthrough / How You solved it:

Deployed my first virtual machine (AttackBox) and pasted and IP in the attack box browser and got a flag:  
Flag{connection\_verified}

💡 Reflection or Notes:

I learned how to deploy a machine and perform the task.

## 2. Room: How to use TryHackMe

The screenshot shows a web browser window with two tabs open: 'TryHackMe | Welcome' and 'TryHackMe | How to use TryHackMe'. The main content area displays the 'How to use TryHackMe' room. The room title is 'How to use TryHackMe' with a subtitle 'Start and access your first machine!'. It features a difficulty rating of 'Easy' and a duration of '45 min'. Below the title are several buttons: 'Share your achievement', 'Start AttackBox', 'Help', 'Save Room', '468 likes', and 'Options'. A progress bar at the bottom indicates 'Room completed (100%)'. Under the progress bar, there are two sections: 'Task 1' (Starting your first machine) and 'Task 2' (Next Steps). At the bottom, there is a summary table with columns: 'Created by' (ben), 'Room Type' (Free Room. Anyone can deploy virtual machines in the room (without being subscribed)!), 'Users in Room' (30,306), and 'Created' (1561 days ago).

🔗 Link: [How to use TryHackMe](#)

⌚ Learning Objective:

The "How to Use TryHackMe" room is designed to help users understand the platform's structure, features, and navigation. It provides a step-by-step guide to effectively use TryHackMe for learning cybersecurity, completing tasks, and engaging with interactive labs.

🛠️ Key Tool/Command Used:

On the terminal used linux ls command.

Used cd and cat command to get that written in the file.

◻ Concept Learned:

I learned how to see list of available folders on the linux system, also learned how to change directory And move into another folder. I also learned how to read the content of the file.

⌚ Walkthrough / How You solved it:

On the terminal used ls command to get the folder then used cat command to get the content of the file.

💡 Reflection or Notes

I was able to have the understanding of how linux command line interface work and practice with it.

### 3. Room: Getting Started

The screenshot shows the 'Getting Started' room on TryHackMe. At the top, there's a navigation bar with 'TryHackMe | Getting Started', 'THM Browser-Based', and a search bar. Below the navigation is a header with the 'Try Hack Me' logo, 'Dashboard', 'Learn' (which is highlighted in green), 'Compete', 'Other', and user stats ('Access Machines', 'Go Premium', '1', and a profile icon). The main content area has a title 'Getting Started' with a subtitle 'Get started with TryHackMe by hacking a fake social media website!'. It includes a difficulty level 'Easy' and a time estimate '45 min'. Below this are buttons for 'Share your achievement', 'Start AttackBox', 'Help', 'Save Room', and 'Options'. A progress bar at the bottom indicates 'Room completed (100%)'. The main content area lists three tasks: 'Task 1 Introduction', 'Task 2 Default Credentials', and 'Task 3 Conclusion'. At the bottom, there's a feedback section asking 'How likely are you to recommend this room to others?'. The desktop taskbar at the bottom shows various icons and the system tray.

🔗 Link: [Getting Started](#)

⌚ Learning Objective:

Get started with TryHackMe by hacking a fake social media website! Learn about rooms in THM and how to complete them. Learn how to launch a VM and access a website it serves. Learn how to exploit a simple vulnerability in a website.

🛠 Key Tool/Command Used:

TryHackMe web interface.

◻ Concept Learned:

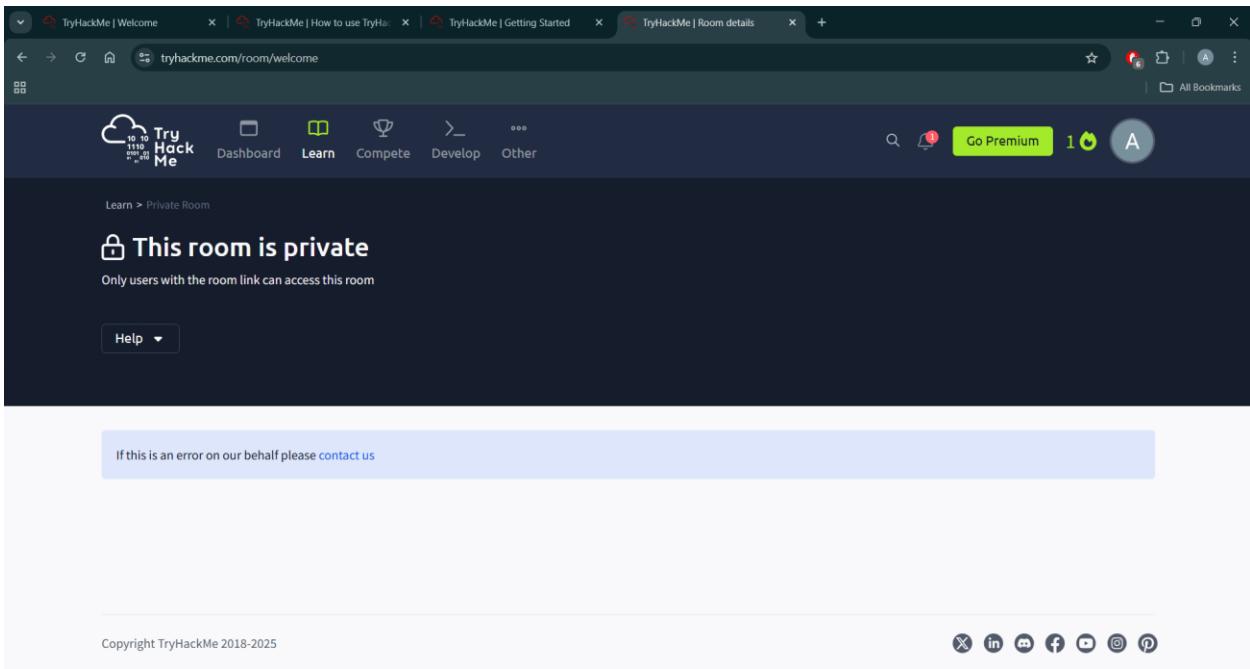
Learned how to get hidden information from website using inspect page source.

⌚ Walkthrough / How You solved it

open the website, used the view page source option to view the website program and found the hidden source and learned brute force.

💡 Reflection or Notes:

### 4. Room: Welcome



🔗 Link: [Welcome](#)

🎯 Learning Objective:

The "Welcome" room on TryHackMe is designed as an introductory space for new users to familiarize themselves with the platform's goals and mission. It aims to provide a high-level overview of what TryHackMe offers and how it intends to help individuals learn cybersecurity in an engaging and practical way.

🛠️ Key Tool/Command Used:

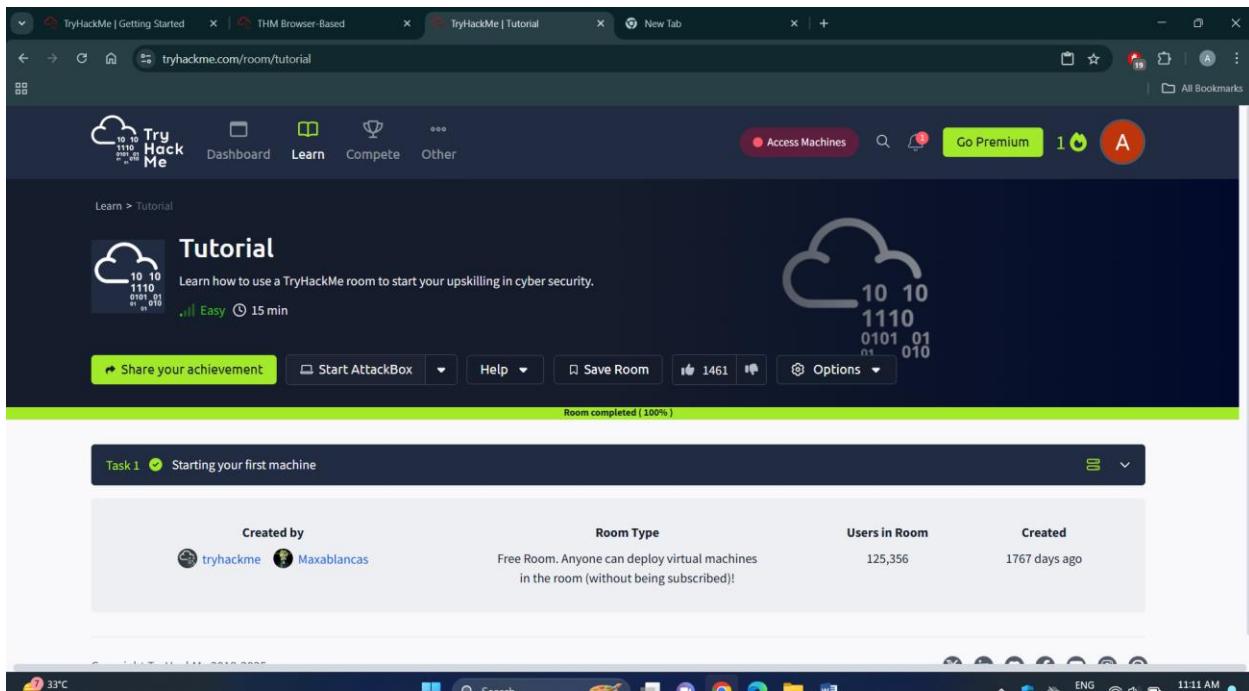
The room was private so can't do anything in this room.

◻ Concept Learned:

👁️ Walkthrough / How You solved it:

💡 Reflection or Notes.

## 5. Room: TryHackMe Tutorial



🔗 Link: [TryHackMe Tutorial](https://tryhackme.com/room/tutorial)

### 🎯 Learning Objective:

Learn how to use a TryHackMe room to start upskilling in cyber security. Learned How to hack a virtual machine.

### 🛠 Key Tool/Command Used:

TryHackMe web interface.  
Basic Terminal commands.

### ◻ Concept Learned:

Deploying and interacting with virtual machines within the room. Using attack boxes to engage in practical cybersecurity exercises.  
Efficiently navigating through rooms, tasks, and learning paths.

### ⌚ Walkthrough / How You solved it:

Followed the step-by-step guide provided in the TryHackMe Tutorial room and carefully read each explanation and answered the embedded question.

### 💡 Reflection or Notes:

The TryHackMe tutorial room helped solidify foundational knowledge and enhanced confidence in using TryHackMe platform.

## 6. Room: OpenVPN Configuration

The screenshot shows the TryHackMe OpenVPN room interface. At the top, there are several tabs: TryHackMe | Getting Started, THM Browser-Based, TryHackMe | Tutorial, TryHackMe | OpenVPN (active), and OpenVPN Connect - Client Software. The main content area has a blue header with the OpenVPN logo and the word "OPENVPN". Below the header, it says "A guide to connecting to our network using OpenVPN." and ".111 Easy 45 min". There are buttons for "Share your achievement", "Start AttackBox", "Help", "Save Room", "4646", and "Options". A progress bar at the bottom indicates "Room completed (100%)". The main content area lists six tasks:

- 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

Each task has a green checkmark icon and a small circular progress bar.

🔗 Link: [OpenVPN Configuration](#)

⌚ Learning Objective:

Understand the core concepts covered in the "OpenVPN Configuration" room and how it fits into the overall cybersecurity foundation.

🛠️ Key Tool/Command Used:

TryHackMe web interface

VPN (OpenVPN)

Basic terminal commands (if applicable)

◻ Concept Learned:

Overview of the "OpenVPN Configuration" room topics. Importance in cybersecurity learning path  
Understanding tasks, walkthroughs, and interactive challenges

⌚ Walkthrough / How You solved it:

Followed the step-by-step guide provided in the "OpenVPN Configuration" room. Carefully read each explanation and answered the embedded questions and Applied basic networking or security skills where required.

💡 Reflection or Notes:

The "OpenVPN Configuration" room helped solidify foundational knowledge.

## 7. Room: Beginner Path Introduction

The screenshot shows the TryHackMe web interface with the URL [tryhackme.com/room/beginnerpathintro](https://tryhackme.com/room/beginnerpathintro). The page title is "Learning Cyber Security". It features a cloud icon with binary code (10 10 1110 0101 01 01) and a small figure of a person. Below the title, it says "Get a short introduction to a few of the security topics you'll be learning about." and indicates the room is "Easy" and "45 min". There are buttons for "Share your achievement", "Show Split View", "Help", "Save Room", and "Options". A progress bar at the bottom shows "Room completed (100%)". The main content area lists three tasks: "Task 1 Web Application Security", "Task 2 Network Security", and "Task 3 Learning Roadmap". At the bottom, there is a table header with columns: "Created by", "Room Type", "Users in Room", and "Created".

🔗 Link: [Beginner Path Introduction](https://tryhackme.com/room/beginnerpathintro)

⌚ Learning Objective:

Understand the core concepts covered in the "Beginner Path Introduction" room and how it fits into the overall cybersecurity foundation.

🛠️ Key Tool/Command Used:

TryHackMe web interface  
VPN (OpenVPN)  
Basic terminal commands (if applicable)

◻ Concept Learned:

Learned about web application security and network security.

⌚ Walkthrough / How You solved it:

The first task was to hack a website and reset the account password of a user. Use the username of the victim to trigger a password reset. Guessed the 4 digit code sent to the user by using the Web requester brute force tool to match possible number to access the account.

💡 Reflection or Notes:

We must know how webserver, website and networks work so as to better understand defending them from cyber-attacks.

## 8. Room: Starting Out in Cyber Security

The screenshot shows the TryHackMe platform interface for the 'Starting Out In Cyber Sec' room. At the top, there's a navigation bar with tabs for 'Dashboard', 'Learn', 'Compete', and 'Other'. On the right, there are buttons for 'Go Premium', a notification bell with a red badge (15), and a user profile icon. Below the navigation, the room title 'Starting Out In Cyber Sec' is displayed with a cloud icon and binary code (10 10 1110 0101 01 0101 010). A sub-header says 'Learn about the different career paths in Cyber Security and how TryHackMe can help!' followed by '· · · Easy 10 min'. Below this are buttons for 'Share your achievement', 'Help', 'Save Room', and 'Options'. A progress bar at the bottom indicates 'Room completed (100%)'. The main content area contains four expandable sections: 'Task 1 Welcome To TryHackMe', 'Task 2 Offensive Security', 'Task 3 Defensive Security', and a final 'Thank you!' message.

🔗 Link: [Starting Out in Cyber Security](https://tryhackme.com/room/startingoutincybersec)

### ⌚ Learning Objective:

To learn the different carrier path in cyber security and how TryHackMe helps.

### 🛠 Key Tool/Command Used:

TryHackMe Dashboard  
VPN Client(OpenVPN)  
Terminal/CLI tools.  
Web Browser

### ◻ Concept Learned:

Deploying virtual lab and solving Challenges.  
Exploring Dashboards, rooms, and learning paths.  
A Introduction to ethical hacking, system security, and safe browsing.

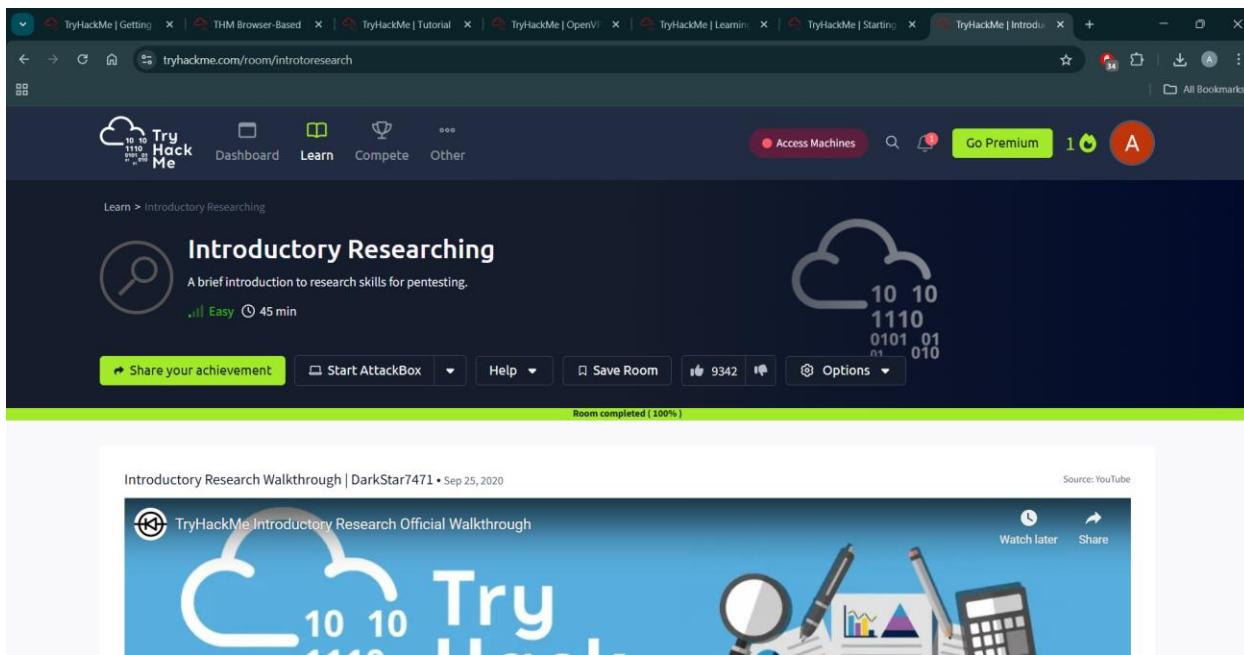
### ⌚ Walkthrough / How You solved it:

Accessed the room “Starting out in Cyber Security” via TryHackMe. Read through each task and followed instruction. Used Available hints and explanation to understand the concept. Answer the embedded question based on the room content. Marks all the task complete.

### 💡 Reflection or Notes:

This room is invaluable for individuals starting their journey in cybersecurity, offering a clear overview of the field. It helps beginners understand the different roles available, the skills required, and how to structure their learning. Understanding this information is crucial for making informed decisions and planning a successful career in cybersecurity.

## 9. Room: Introduction to Research



🔗 Link: [Introduction to Research](#)

⌚ Learning Objective:

The "Introduction to Research" room on TryHackMe aims to equip users with fundamental research skills essential for cybersecurity. It covers effective searching, understanding credible sources, and utilizing search engines and databases to gather relevant information for security-related tasks.

🛠 Key Tool/Command Used:

TryHackMe DashBoard

VPN Client(OpenVPN)

Terminal/CLI tools.

Web Browser.

◻ Concept Learned:

Deploying virtual lab and solving Challenges.

Exploring Dashboards, rooms, and learning paths.

🎥 Walkthrough / How You solved it:

Accessed the room "Starting out in Cyber Security" via TryHackMe. Read through each task and followed instruction. Used Available hints and explanation to understand the concept. Answer the embedded question based on the room content. Marks all the task complete.

💡 Reflection or Notes:

This room is crucial for developing essential research skills needed for any cybersecurity professional. It highlights the importance of effective searching, evaluating sources, and utilizing databases to gather reliable information. Mastering these skills is fundamental for staying informed about emerging threats, vulnerabilities, and security best practices.