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**Program: Digisuraksha Parhari Foundation Internship**

**Issued By: Digisuraksha Parhari Foundation**

**1]✅ Room Name and Link**

**Hello World** — <https://tryhackme.com/room/hello>

🎯 **Learning Objective**

The “Hello World” room is made for people who are just starting out. It helps you get used to how TryHackMe works and shows you the basics of cybersecurity in a friendly way.

🛠 **Key Tools/Commands Used**

* Opened TryHackMe in a web browser.
* Looked around the main dashboard to see what’s there.
* Learned how to move between different rooms and find information

🧠 **Concepts Learned**

* Got to know what TryHackMe is for and how it’s set up.
* Saw features like learning paths, hands-on labs, and fun competitions.
* Learned how to join a room, finish tasks, and keep track of your progress.
* Got a first taste of what ethical hacking is and why computer security matters.

**Walkthrough / How You Solved It**

* Logged in with your account and found the “Hello World” room.
* Followed the instructions given in the room, step by step.
* Tried out some easy exercises to see how things work.
* Marked each task as finished after you understood it

💡 **Reflections or Notes**

* This room is perfect for beginners because it explains things in a simple way.
* Doing the activities yourself helps you really understand the basics.
* The interactive style makes you want to keep learning and exploring more about cybersecurity

2]✅ **How to Use TryHackMe** — <https://tryhackme.com/room/howtousetryhackme>

🎯 **Learning Objective**

This room is designed to teach users how to navigate the TryHackMe platform. It provides a step-by-step guide on using its features, completing tasks, and engaging with hands-on labs.

🛠 **Key Tools/Commands Used**

* Explored the TryHackMe dashboard to understand its layout and tools.
* Learned how to use virtual machines (VMs) for practical exercises.
* Set up a secure connection using OpenVPN.

🧠 **Concepts Learned**

1. **Platform Features**
   * Discovered the main functions of TryHackMe, such as learning paths, challenges, and leaderboards.
   * Understood how points and streaks make learning fun and competitive.
2. **Room Navigation**
   * Learned how to join rooms, complete tasks, and submit answers.
   * Understood the different types of rooms like tutorials, walkthroughs, and challenges.
3. **Hands-On Practice**
   * Practiced using virtual environments for cybersecurity exercises.
4. **Secure Connections**
   * Learned how to connect safely to labs using OpenVPN.

🔍 **Walkthrough / How You Solved It**

1. **Accessing the Room**
   * Logged into your account and opened the "How to Use TryHackMe" room.
2. **Exploring the Dashboard**
   * Checked out sections like "Learn," "Practice," "Compete," and "Networks."
   * Reviewed available learning paths and room categories.
3. **Completing Tasks**
   * Followed instructions in the room step by step.
   * Practiced using VMs and connecting via VPN for hands-on activities.
4. **Submitting Answers**
   * Answered questions based on what you learned and marked tasks as complete

💡 **Reflections or Notes**

* This room is perfect for beginners who want to understand how TryHackMe works.
* The gamified format makes learning engaging, while hands-on labs provide real-world experience.
* The clear guidance prepares users to confidently explore more advanced rooms later.

3]✅ **Getting Started** — <https://tryhackme.com/room/gettingstarted>

🎯 **Learning Objective**

The "Getting Started" room is all about helping new users get to grips with TryHackMe. It walks you through the basics, like how to get into labs, move around the site, and understand some simple cybersecurity ideas.

🛠 **Key Tools/Commands Used**

* The main TryHackMe dashboard: You’ll click around to see what’s what.
* Virtual Machines (VMs): You’ll learn how to use these for hands-on practice.
* VPN Setup: You’ll figure out how to connect safely to TryHackMe using a VPN.

🧠 **Concepts Learned**

1. **How to Get Around**
   * You’ll learn to find and join rooms, complete tasks, and see how far you’ve come.
   * You’ll get an overview of the main sections, like "Learn," "Practice," "Compete," and "Networks."
2. **Hands-On Labs**
   * You'll start up virtual machines to get some real hacking practice.
   * You'll see why it’s important to use a secure VPN connection.
3. **Cybersecurity Basics**
   * You'll get a simple introduction to what ethical hacking is all about.
   * You'll learn some of the key ideas behind keeping systems secure.
4. **Fun and Games**
   * You’ll find out how to earn points, keep up streaks, and compete with others on leaderboard

🔍 **Walkthrough / How You Solved It**

1. **Join the Room**
   * Log into TryHackMe and head to the "Getting Started" room.
2. **Explore**
   * Follow the instructions to understand how the site works.
   * Do the easy tasks to learn how to use the labs.
3. **Get Hands-On**
   * Start up virtual machines and have a go at the exercises.
   * Set up your VPN to make sure you’re connecting securely.
4. **Finish Up**
   * Answer the questions to show you understand, and mark the tasks as done.

💡 **Reflections or Notes**

* This room is super helpful for anyone new, giving you a clear guide on how to use TryHackMe.
* It focuses on learning by doing, which is the best way to pick up cybersecurity skills.
* The way it’s set up makes learning fun and encourages you to challenge yourself.

4]✅ **Welcome** — <https://tryhackme.com/room/welcome>

🎯 **Learning Objective**

The "Welcome" room is designed to be a friendly introduction to TryHackMe for new users. It's like a quick tour to show you what the platform is all about.

🛠 **Key Tools/Commands Used**

 **TryHackMe Platform Interface** — Used to navigate and complete tasks

 **None** — No terminal commands or external tools were required for this room

 **Reading & Answer Submission Tools** — Multiple-choice and text-based answer boxes were used to interact with the content

🧠 **Concepts Learned**

1. **What TryHackMe Is About:**
   * You'll understand that TryHackMe's main goal is to make learning about cybersecurity something everyone can do, no matter their background.
   * You'll see that it's designed to be a fun and easy way to get into cybersecurity.
2. **How It Helps You Learn:**
   * You'll discover that TryHackMe uses hands-on activities, challenges, and guided paths to help you build real cybersecurity skills.
   * You'll learn that you can practice in a safe environment and get instant feedback.
3. **The Big Idea:**
   * You'll understand that TryHackMe wants to create a community where people can learn together, share what they know, and help each other out.
   * You'll see that it's not just about learning alone, but being part of something bigger.

🔍 **Walkthrough / How You Solved It**

 Clicked on the “Join Room” button to access the *Welcome* room

 Read through each informational task carefully

 Answered multiple-choice and fill-in-the-blank questions based on the provided content

 Submitted answers using the built-in text boxes and clicked “Complete” after each task

 Did not need to launch any machine or use a terminal

 Completed all tasks and saw the room marked as “Complete”

💡 **Reflections or Notes**

* This room is perfect for getting a quick overview of what TryHackMe has to offer.
* It sets the stage for your cybersecurity learning journey by explaining the platform's purpose and goals.
* It encourages you to explore the different resources and features available on TryHackMe.

**5]✅ Room Name and Link**

**TryHackMe Tutorial** — <https://tryhackme.com/room/tutorial>

🎯 **Learning Objective**

This room shows you how to use TryHackMe. It teaches you the basics, like how to find your way around, answer questions, and use the different tools.

🛠 **Key Tools/Commands Used**

* **TryHackMe**: You'll use the main website to get around.
* **Tasks**: You'll see how to answer questions and finish tasks.
* **Hints and Tools**: You'll learn how to use hints if you get stuck, and how to use machines to practice hacking.

🧠 **Concepts Learned**

1. **How Rooms Work**:
   * You'll learn what a TryHackMe room looks like, with tasks, questions, and hints.
   * You'll see the different types of tasks, like multiple-choice questions and hands-on challenges.
2. **How to Do Tasks**:
   * You'll use hints and explanations to help you solve the tasks.
   * You'll learn how to answer questions and check your progress.
3. **Hands-On Hacking**:
   * You'll start up virtual machines to practice hacking in a safe environment.
   * You'll use attack boxes, which are like special computers, to do real cybersecurity exercises.
4. **How to Get Around**:
   * You'll learn the best way to find your way through rooms, tasks, and learning paths.

🔍 **Walkthrough / How You Solved It**

1. **Join the Room**:
   * Log in to TryHackMe and find the "TryHackMe Tutorial" room.
2. **Follow the Steps**:
   * Do what the tutorial says to learn about the room and its features.
3. **Get Hands-On**:
   * Start up the machines and use the attack boxes to solve the challenges.
   * Answer each question and keep track of how you're doing.
4. **Check Your Work**:
   * Look back at the tasks you've done to make sure you understand everything.
   * Mark the room as complete when you've finished all the tasks.

💡 **Reflections or Notes**

* This room is great for beginners to learn how to use TryHackMe.
* It teaches you by letting you try things out, which makes learning easier.
* Knowing how to use this room will help you with more advanced cybersecurity topics later on.

**6]✅ Room Name and Link**

**OpenVPN** — <https://tryhackme.com/room/openvpn>

🎯 **Learning Objective**

* **OpenVPN Client**: This is software that helps you make a safe connection.
* **Terminal/Command Line**: You'll type in commands to make the connection work.
* **ifconfig or ip addr**: These are commands to check if the connection is working.

🛠 **Key Tools/Commands Used**

1. **What a VPN Is**:
   * You'll learn that a VPN keeps your internet connection safe and private.
2. **Setting Up OpenVPN**:
   * You'll download a special file and use it to connect to TryHackMe.
3. **Checking the Connection**:
   * You'll use commands to see if the VPN is connected and working right.
4. **Fixing Problems**:
   * You'll learn what to do if the VPN doesn't connect or has issues.

🧠 **Concepts Learned**

* + OpenVPN creates a secure tunnel to allow access to TryHackMe’s private machines
  + Users on a free account must use OpenVPN to access virtual labs
  + How to select the closest VPN server and download the config file
  + Importance of root/admin access to run VPN commands
  + Common fixes if the VPN doesn’t connect

**Walkthrough / How You Solved It**

1. **Go to the Room**:
   * Log in to TryHackMe and find the "OpenVPN" room.
2. **Get the File**:
   * Download the OpenVPN configuration file.
3. **Install OpenVPN**:
   * Put the OpenVPN software on your computer.
4. **Connect**:
   * Use the command line to connect to TryHackMe with the file you downloaded.
5. **Make Sure It Works**:
   * Use ifconfig or ip addr to check the connection and IP address.
   * Make sure you can access TryHackMe resources.
6. **Finish Up**:
   * Answer questions about setting up the VPN.

💡 **Reflections or Notes**

* This room is important for keeping your connection safe while using TryHackMe.
* You'll get hands-on practice setting up a VPN, which is a useful skill.
* Knowing how to fix VPN problems is helpful for keeping a steady connection.

**7]✅ Room Name and Link**

**Beginner Path Introduction** — <https://tryhackme.com/room/beginnerpathintro>

🎯 **Learning Objective**

* The goal of this room is to give you an overview of what you'll learn in the Beginner Path on TryHackMe. It shows you the different topics and skills you'll cover, so you know what to expect.

🛠 **Key Tools/Commands Used**

* **TryHackMe Learning Paths**: You'll use these to find the different modules in the Beginner Path.
* **Module Overviews**: You'll look at these to see what each module is about.
* **Room Previews**: You'll check out these to see what the individual rooms in the path are like.

🧠 **Concepts Learned**

1. **How the Path Is Organized**:
   * You'll learn that TryHackMe puts lessons into paths to make learning easier.
   * You'll see what modules are in the Beginner Path.
2. **What's in Each Module**:
   * You'll find out what skills you'll learn, like Linux, web hacking, and network security.
   * You'll understand that the lessons go from easy to harder.
3. **What Skills You'll Get**:
   * You'll learn the main cybersecurity skills you need to know.
   * You'll see how to use these skills in labs and exercises.
4. **Where to Get Help**:
   * You'll find tutorials, guides, and other materials to help you learn.

🔍 **Walkthrough / How You Solved It**

1. **Getting into the Room**:
   * I logged in to TryHackMe and went to the "Beginner Path Introduction" room.
2. **Looking at the Path**:
   * I read the intro to see what the path is all about.
   * I clicked through the modules to see what each one covers.
3. **Checking Out the Modules**:
   * I looked at the topics in modules like "Cybersecurity Fundamentals," "Web Hacking," and "Network Security."
   * I understood that the lessons start simple and get more complex.
4. **Finding Resources**:
   * I found tutorials and guides to help me learn.
   * I saw how to use these resources to make learning easier.
5. **Finishing the Room**:
   * I answered questions about the path and its modules.

💡 **Reflections or Notes**

* This room is great for planning your cybersecurity journey on TryHackMe.
* It shows you how the Beginner Path is set up, so you can learn the basics in a structured way.
* Knowing what's in the path helps you learn the right skills and move forward.

**8]✅ Room Name and Link**

**Starting Out in Cyber Security** — <https://tryhackme.com/room/startingoutincybersec>

🎯 **Learning Objective**

* The goal is to show you what it's like to work in cybersecurity. It helps you learn about different jobs, what skills you need, and how to start learning to get those jobs.

🛠 **Key Tools/Commands Used**

* **TryHackMe Learning Paths**: You'll use these to see different ways to learn for different cybersecurity jobs.
* **Job Descriptions**: You'll look at these to see what people do in different cybersecurity roles.
* **Skill Lists**: You'll use these to know what skills you need for each job.

🧠 **Concepts Learned**

1. **Different Cybersecurity Jobs**:
   * You'll learn about jobs like security analyst, penetration tester, and security engineer.
   * You'll see what each job does and what they're responsible for.
2. **Skills You Need**:
   * You'll find out what skills are important for a cybersecurity career, like technical skills, problem-solving, and thinking skills.
   * You'll see that it's important to keep learning new things.
3. **How to Learn**:
   * You'll find recommended paths to learn the skills for each job on TryHackMe.
   * You'll see how to plan your learning to reach your job goals.
4. **Planning Your Career**:
   * You'll get a basic idea of how to plan a career in cybersecurity.
   * You'll see the steps you need to take to learn the needed skills.

🔍 **Walkthrough / How You Solved It**

1. **Entering the Room**:
   * I logged in to TryHackMe and went to the "Starting Out in Cyber Security" room.
2. **Exploring Jobs**:
   * I read about the different cybersecurity jobs.
   * I learned what each job is responsible for.
3. **Finding Out Skills**:
   * I made a list of the skills you need for each job.
   * I saw that you need to keep learning and improving.
4. **Looking at Learning Paths**:
   * I looked at the recommended learning paths for each job on TryHackMe.
   * I understood how to learn the skills you need.
5. **Finishing the Room**:
   * I answered questions about the different jobs and skills.

💡 **Reflections or Notes**

* This room is helpful for anyone who wants to know about cybersecurity jobs.
* It shows you what skills you need and how to learn them.
* Understanding the different roles helps you plan your career in cybersecurity.

**9]✅ Room Name and Link**

**Introduction to Research** — <https://tryhackme.com/room/introtoresearch>

🎯 **Learning Objective**

* The goal is to understand what research is, why it's important, and the basic steps involved in conducting research.

🛠 **Key Concepts Used**

* **Research Process**: Steps for conducting research.
* **Types of Research**: Different methods used.
* **Ethics in Research**: Rules for conducting ethical research.

🧠 **Concepts Learned**

1. **What Research Is**:
   * Understanding that research is a systematic investigation to find new information or prove existing information.
2. **Research Process**:
   * Learning the main steps: identifying a problem, reviewing literature, creating a hypothesis, designing the research, collecting and analyzing data, interpreting results, and concluding.
3. **Types of Research**:
   * Understanding the differences between quantitative (numbers) and qualitative (words) research methods.
4. **Importance of Research**:
   * Knowing that research helps advance knowledge, improves practices, informs policies, and develops skills.
5. **Ethics in Research**:
   * Learning about informed consent, confidentiality, integrity, and beneficence.

🔍 **Walkthrough / How You Solved It**

1. **Understanding the Basics**:
   * I reviewed the material to learn what research means.
2. **Exploring the Process**:
   * I went through the steps of the research process, understanding each stage.
3. **Differentiating Types**:
   * I identified the differences between quantitative and qualitative research.
4. **Grasping Importance**:
   * I understood why research is important in various fields.
5. **Learning Ethics**:
   * I studied ethical considerations and their significance in research.

💡 **Reflections or Notes**

* This module provided a solid understanding of the concept of research.
* Learning about the different methods and ethical considerations broadened my understanding.