◌ **Cybersecurity Internship Report**
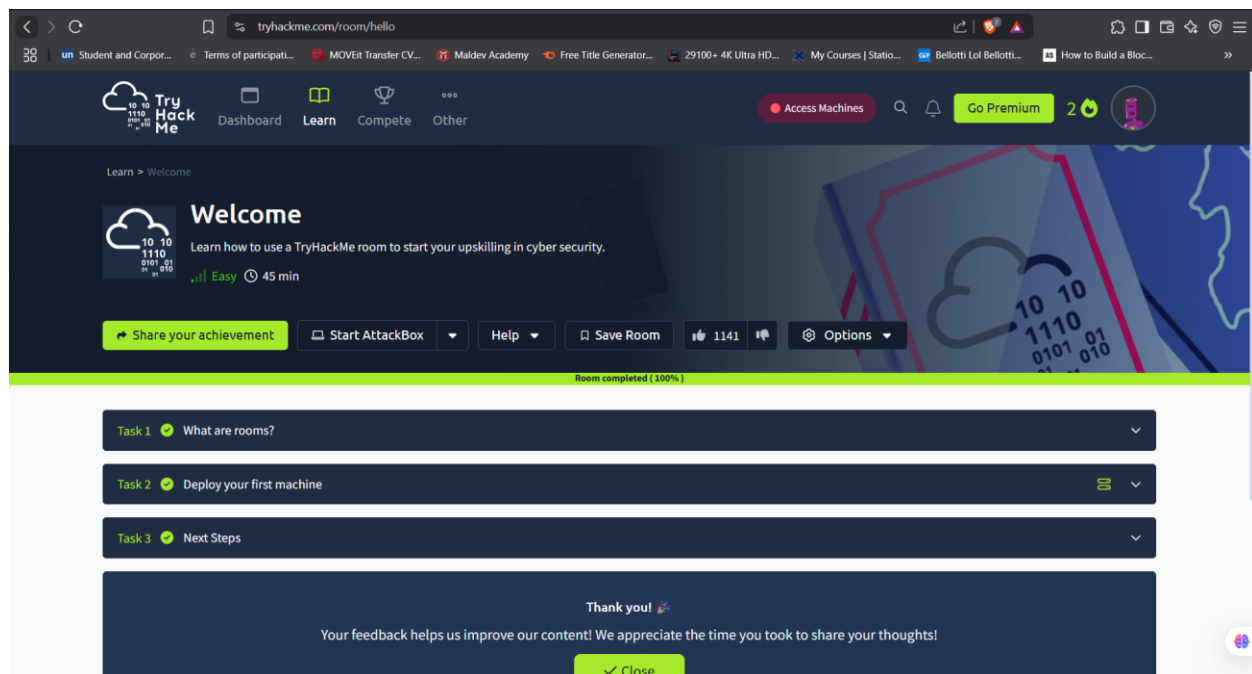
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Program: Digisuraksha Parhari Foundation Internship
Issued By: Digisuraksha Parhari Foundation
Supported By: Infinisec Technologies Pvt. Ltd.
Report Submission Date: 18th April 2025

1. Room Name:

👓 **Link:** https://tryhackme.com/room/hello

✴ Learning Objective

To get introduced to TryHackMe, understand how the platform works, and navigate through the interface effectively.

⚒ Key Tools/Commands Used

- TryHackMe Web Interface

🧠 Concepts Learned

- TryHackMe's layout and platform design
- Task-based progression system
- Launching and accessing virtual machines (VMs)

🔍 Walkthrough / How You Solved It

- Logged into TryHackMe and joined the Hello World room
- Read through each section and followed the instructions
- Observed how tasks are marked as complete

💡 Reflections or Notes

A beginner-friendly room that builds comfort with the TryHackMe interface.

2. Room Name: How to Use TryHackMe

👓 Link: https://tryhackme.com/room/howtousetryhackme
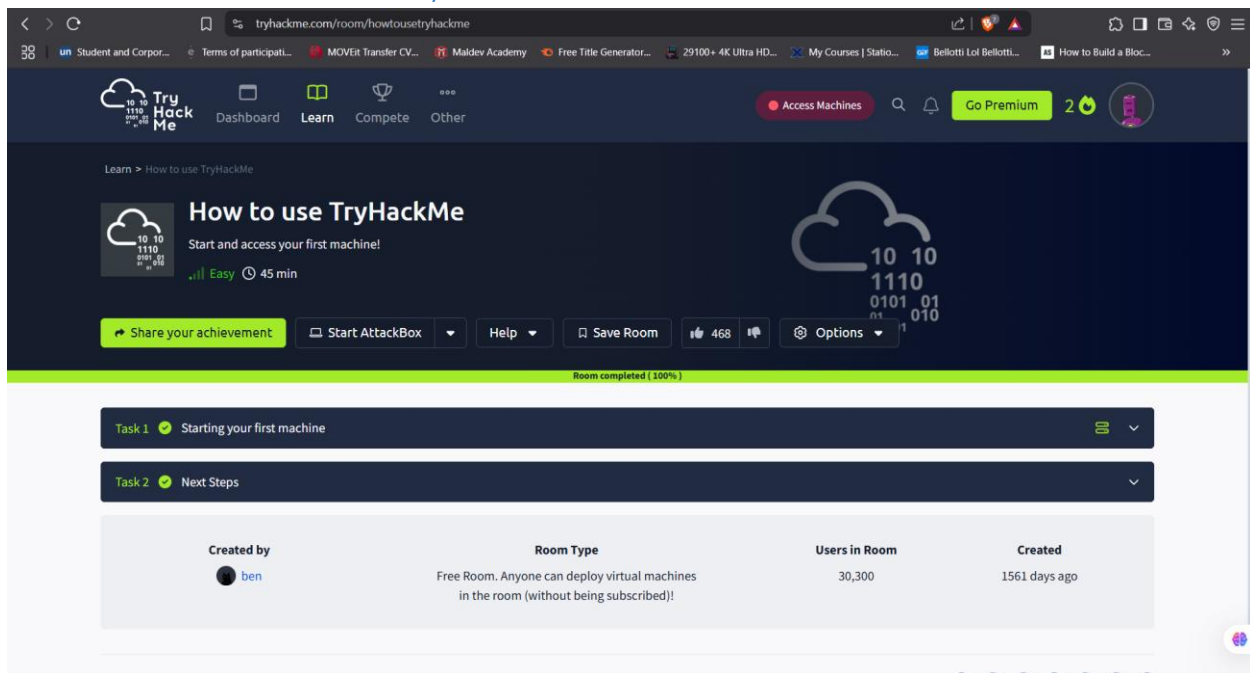
🎇 Learning Objective

To explore how to interact with rooms, tasks, VMs, and hints within TryHackMe.

🛠️ Key Tools/Commands Used

- TryHackMe Interface

⬛ Concepts Learned

- Split screen feature
- Starting/Stopping rooms
- Reading hints and marking progress

🔍 Walkthrough / How You Solved It

- Explored the platform layout and started the VM
- Completed all interactive questions and notes

💡 Reflections or Notes

Helpful for understanding the structure of challenges. Sets expectations clearly for beginners.

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3. Room Name: Getting Started

👓 **Link:** https://tryhackme.com/room/gettingstarted

✹ Learning Objective

To configure the basic system environment and learn how VPN works for secure lab access.

✵ Key Tools/Commands Used

- OpenVPN
- Terminal/Command Line

⬚ Concepts Learned

- VPN connection using .ovpn files
- Testing connectivity with ping

🔍 Walkthrough / How You Solved It

- Installed OpenVPN and downloaded configuration files
- Connected successfully and verified using ping and task checks

💡 Reflections or Notes

Essential room for hands-on setup. Faced minor connectivity challenges but resolved with the community support.

4. Room Name: Welcome.

👓 **Link:** https://tryhackme.com/room/welcome
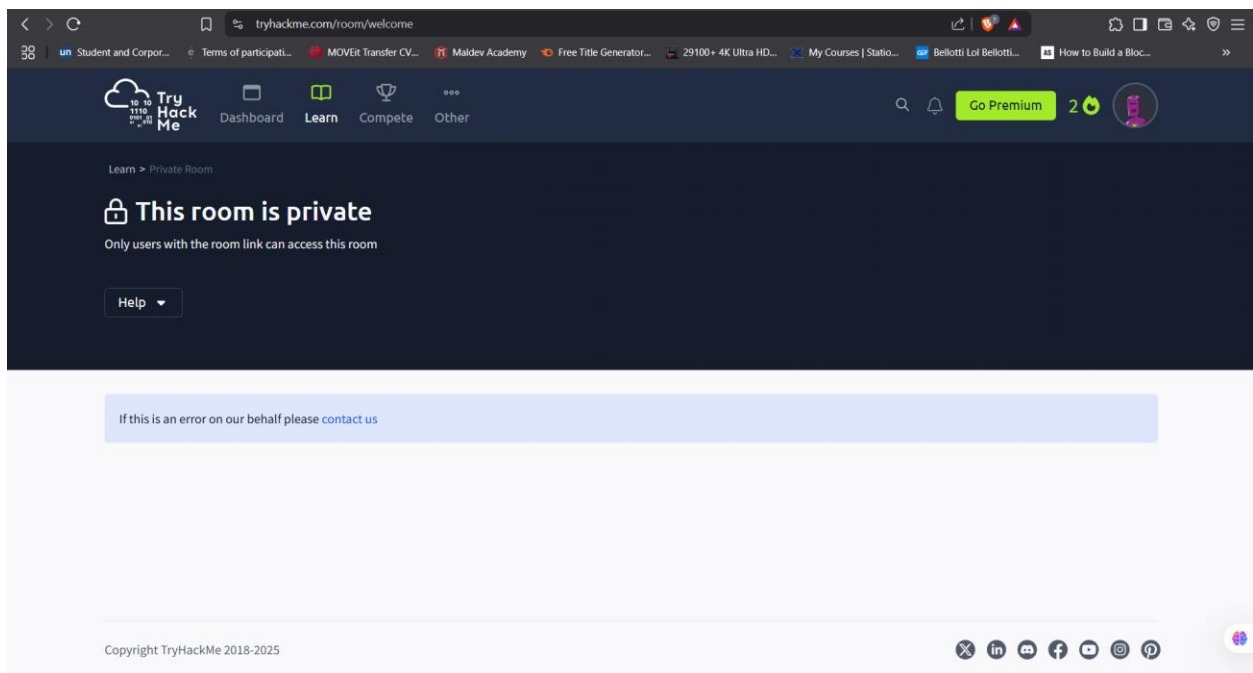
🌟 Learning Objective

To welcome users and provide a roadmap to different TryHackMe learning paths.

🛠 Key Tools/Commands Used

- None (Informational only)

⬚ Concepts Learned

- Different learning paths available on TryHackMe
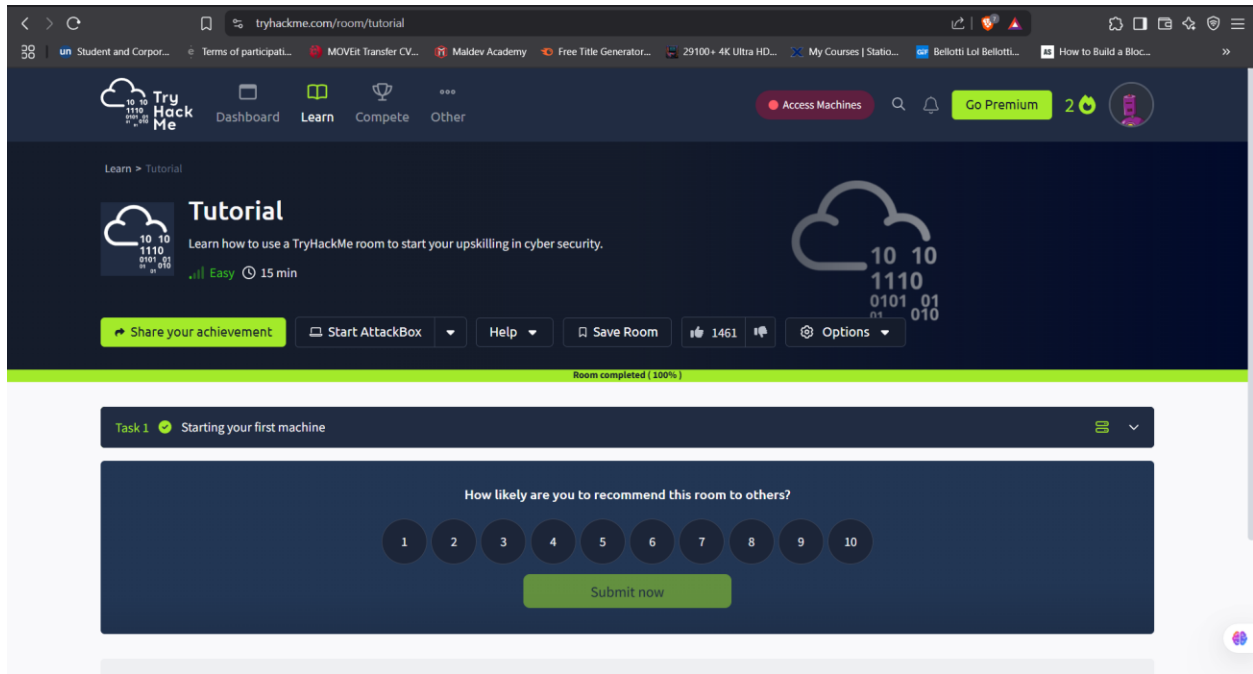- Structure and flow of the platform

🔍 Walkthrough / How You Solved It

- Navigated the welcome content
- Explored links to Beginner and Offensive Security paths

💡 Reflections or Notes

Good motivational and roadmap-based content. Helps set direction.

5. Room Name: TryHackMe Tutorial

👓 **Link:** https://tryhackme.com/room/tutorial

✴ Learning Objective

To gain practical exposure to using TryHackMe machines, answering tasks, and solving basic labs.

🛠 Key Tools/Commands Used

- Terminal (Linux basics)

▣ Concepts Learned

- Navigating Linux directories
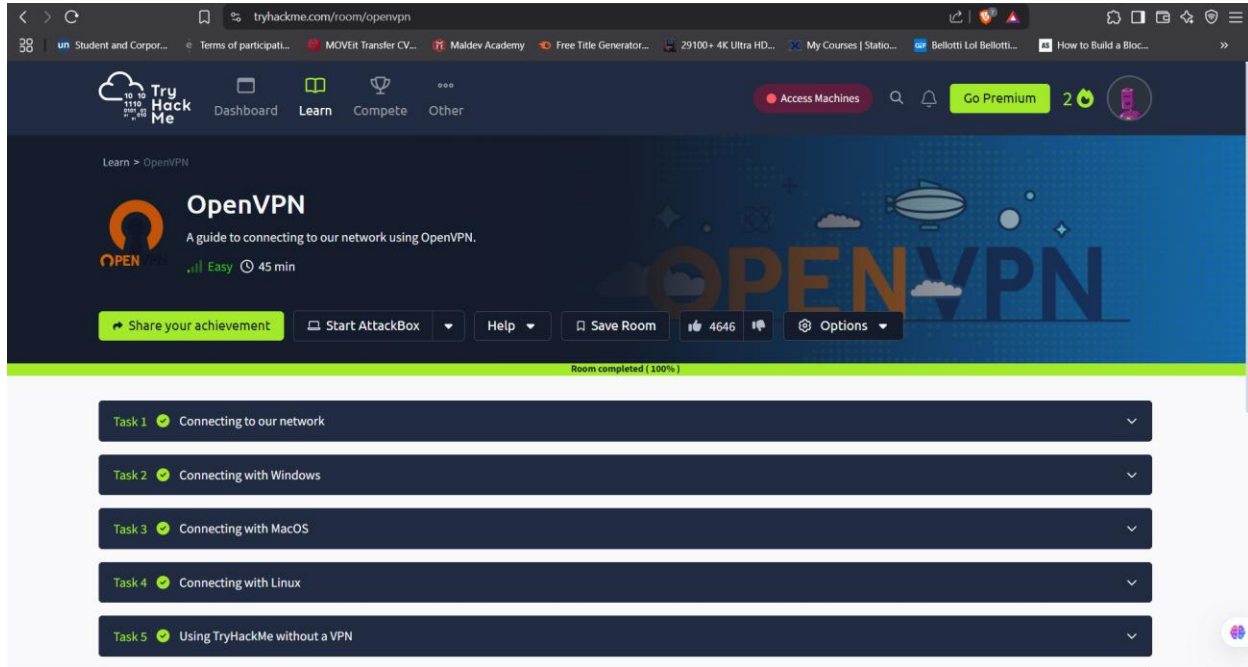- File listing and basic commands (`ls`, `cd`, `cat`)

🔍 Walkthrough / How You Solved It

- Used built-in VM and terminal
- Solved tasks using Linux commands
- Completed challenges using file inspection

💡 Reflections or Notes

Fun and interactive! Reinforced my Linux basics and showed how tasks can be hands-on.

6. Room Name: OpenVPN Configuration

👓 **Link:** https://tryhackme.com/room/openvpn

🌟 Learning Objective

To properly configure OpenVPN for accessing external machines on TryHackMe.

🛠 Key Tools/Commands Used

- OpenVPN
- Terminal

🧠 Concepts Learned

- How VPN tunnels are established
- Troubleshooting VPN connection errors
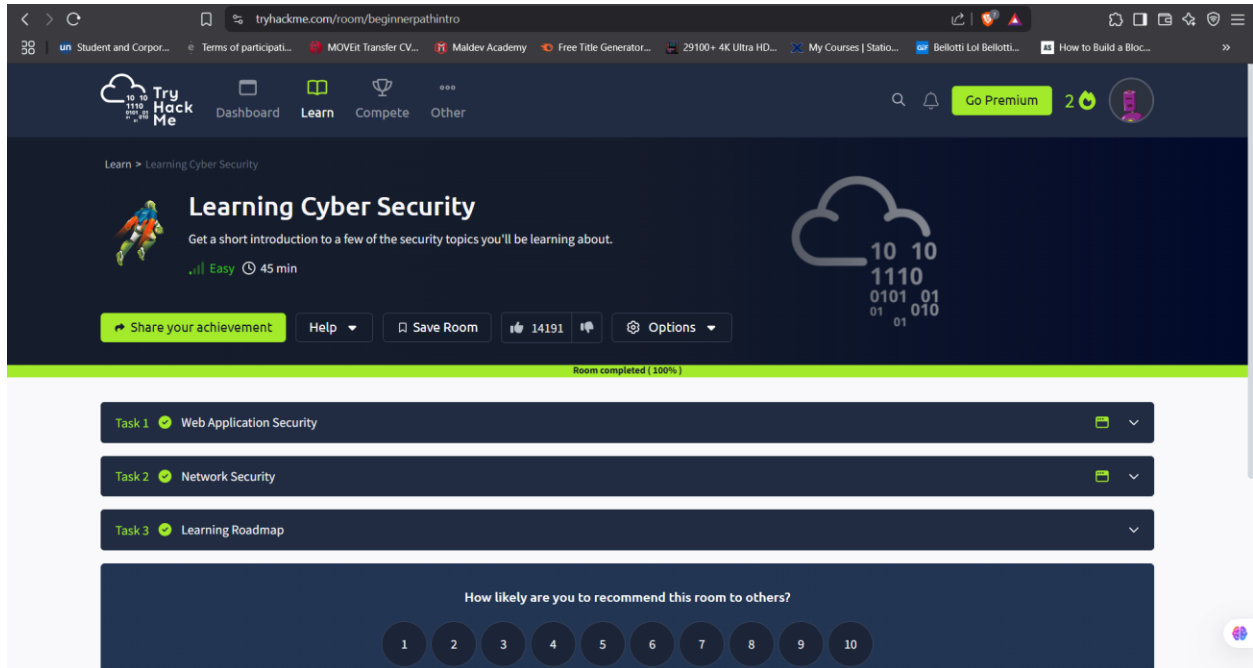
🔍 Walkthrough / How You Solved It

- Followed exact steps for OpenVPN installation
- Used `.ovpn` config to connect

- Verified with ifconfig and ping

💡 Reflections or Notes

A crucial setup step. Had to retry connection twice due to DNS issues.

7. Room Name: Beginner Path Introduction

👓 Link: https://tryhackme.com/room/beginnerpathintro

✴️ Learning Objective

To introduce the structured "Beginner Path" in TryHackMe and its benefits.

🛠️ Key Tools/Commands Used

- None (Informational only)

▢ Concepts Learned

- The roadmap for beginners in cybersecurity
- Overview of topics like networking, Linux, and hacking

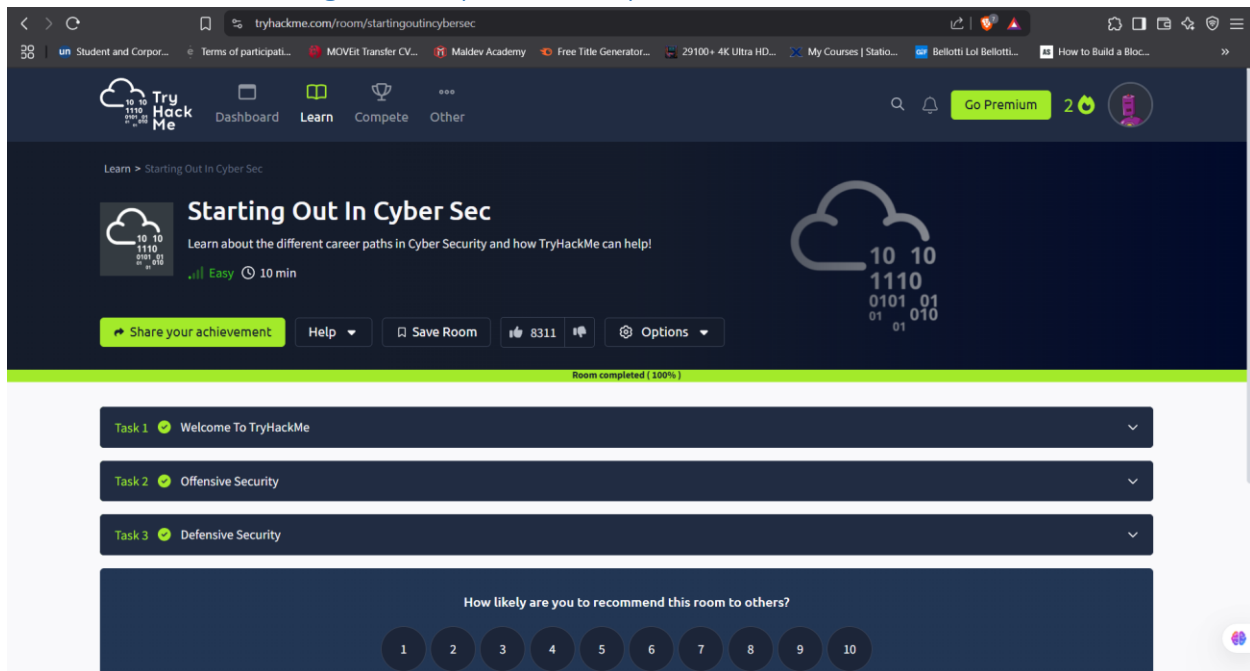## 🔍 Walkthrough / How You Solved It

- Read through the room content

- Explored path topics and linked rooms

💡 Reflections or Notes

This path makes the learning organized. Motivated to complete the entire Beginner Path.

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8. Room Name: Starting Out in Cyber Security

🔗 Link: https://tryhackme.com/room/startingoutincybersec

🌟 Learning Objective

To explore different career roles and skills in cybersecurity.

🛠 Key Tools/Commands Used

- None

🧩 Concepts Learned

- Red Team vs Blue Team roles
- Cybersecurity specializations (Penetration Testing, SOC Analyst, etc.)
- Soft skills required

🔍 Walkthrough / How You Solved It

- Completed the interactive Q&A format tasks
- Explored job role breakdowns with examples

💡 Reflections or Notes

Great insight into the real-world cybersecurity field. Helped confirm my interest in penetration testing.

9. Room Name: Introduction to Research

👓 Link: https://tryhackme.com/room/introtoresearch

🌟 Learning Objective

To develop research skills in cybersecurity, especially when solving problems or learning new tools.

🛠 Key Tools/Commands Used

- Google
- Online forums (Reddit, StackOverflow, TryHackMe Discord)

Concepts Learned

- How to perform cybersecurity-related research
- Using the right keywords and sources

Walkthrough / How You Solved It

- Followed practical scenarios and researched online
- Completed tasks by finding external resources

Reflections or Notes

This room taught how to be self-sufficient and resourceful—key for any cybersecurity learner.