# LINUX FUNDAMENTALS: AN INTRODUCTION TO SYSTEM AND COMMAND-LINE BASICS

EXP.NO: 2 DATE: 28-01-2025

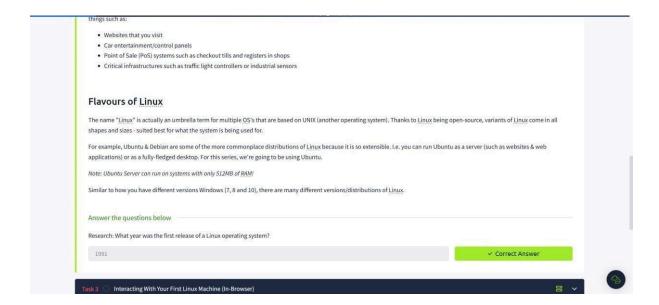
#### AIM:

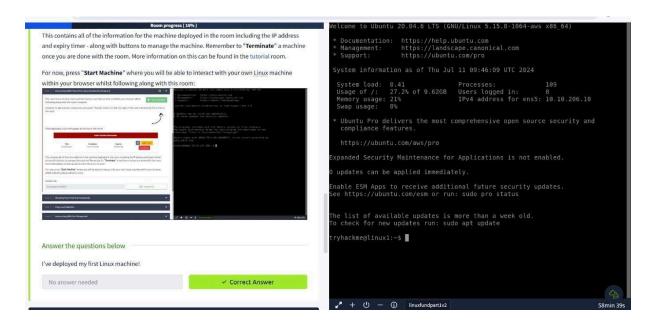
To understand and explore the fundamentals of the Linux operating system, including key components such as the file system, various commands, shell operators, to build a strong foundation for cybersecurity and system administration. in TryHackMe platform.

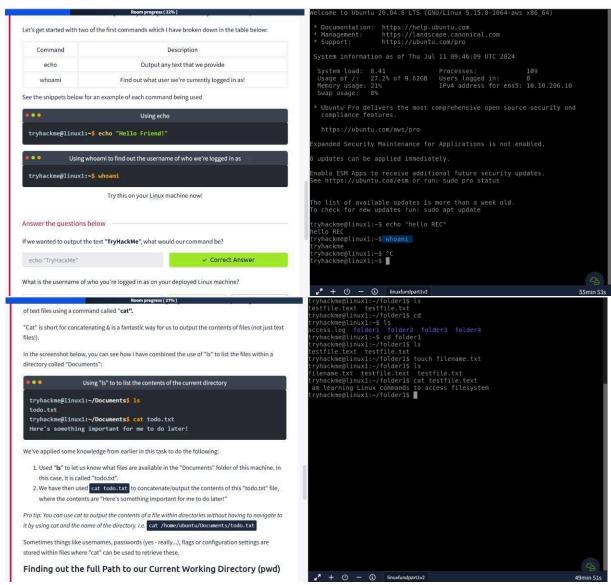
### **ALGORITHM:**

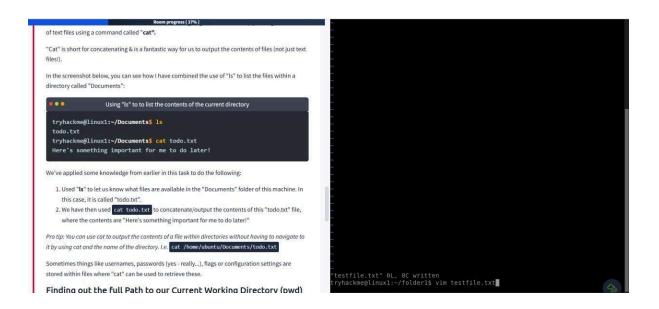
- 1. Access the lab in TryHackMe platform using the link below- https://tryhackme.com/room/linuxfundamentalspart1
- 2. Click Start a Machine to start the Ubuntu Linux machine that you can interact with your browser.
- 3. Solve the task questions
- 4. Understand the history of Linux and the commands to interact with the filesystems.
- 5. Learn about commends like echo, whoami
- 6. Learn about Shell Operations.

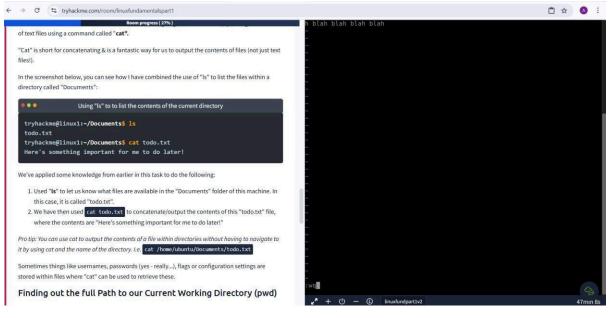
## **OUTPUT:**

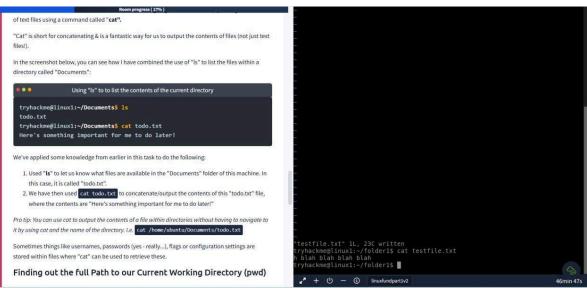




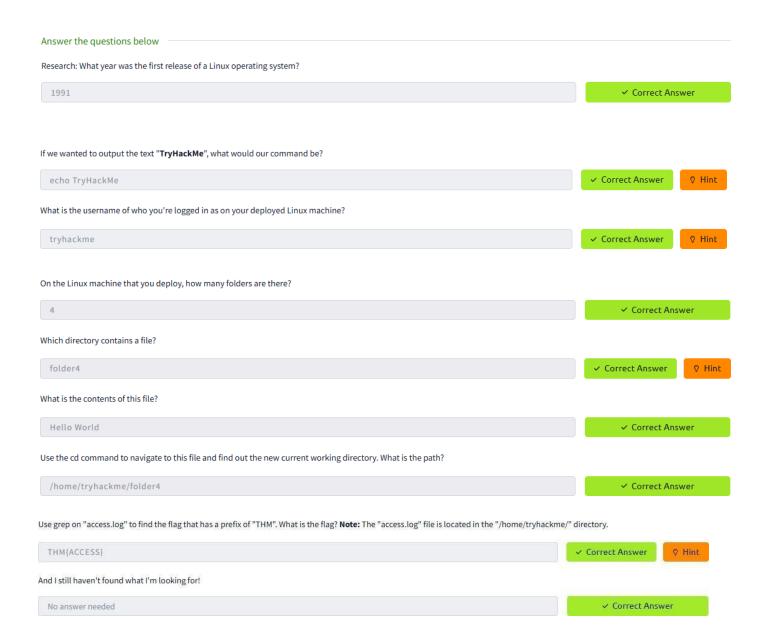








- 1. Understanding why Linux is so commonplace today
- 2. Interacting with your first-ever Linux machine!
- 3. Ran some of the most fundamental commands
- 4. Had an introduction to navigating around the filesystem & how we can use commands like find and grep to make finding data even more efficient!
- 5. Power up your commands by learning about some of the important shell operators.



If I wanted to run a command in the background, what operator would we want to use?

If I wanted to replace the contents of a file named "passwords" with the word "password123", what would my command be?

echo password123 > passwords

Correct Answer

Hint

Now if I wanted to add "tryhackme" to this file named "passwords" but also keep "passwords123", what would my command be

echo tryhackme >> passwords

Correct Answer

Hint

Now use the deployed Linux machine to put these into practice

No answer needed

## **RESULT:**

This experiment provides a practical introduction to LINUX Operating system fundamentals, enabling to navigate, manage, and analyze system components efficiently.