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

EXP.NO: 2

AIM:

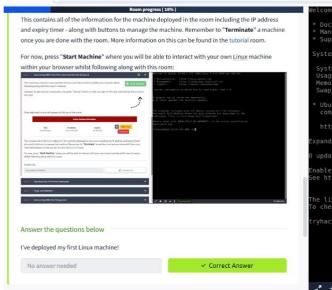
To understand and explore the fundamentals of the Linux operating system, including key components such as the file system, various commands, shell operators, to build a strong foundation for cybersecurity and system administration. in TryHackMe platform.

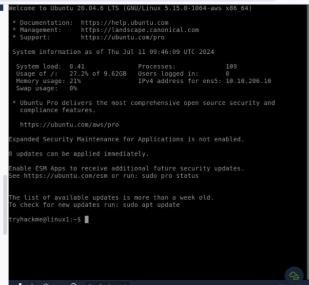
ALGORITHM:

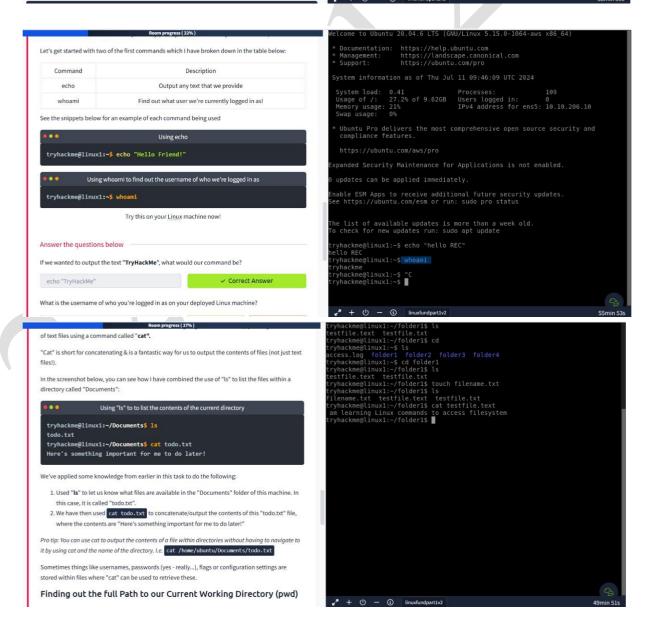
- 1. Access the lab in TryHackMe platform using the link belowhttps://tryhackme.com/room/linuxfundamentalspart1
- 2. Click Start a Machine to start the Ubuntu Linux machine that you can interact with your browser.
- 3. Solve the task questions
- 4. Understand the history of Linux and the commands to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

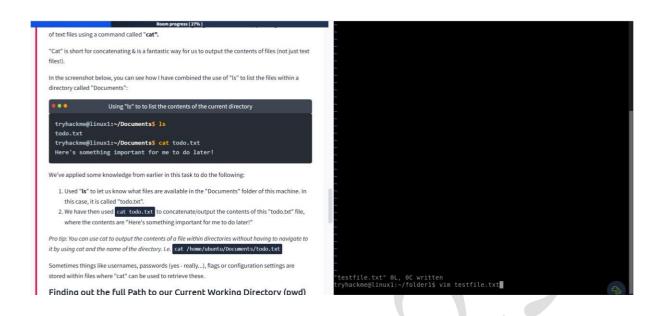
OUTPUT:

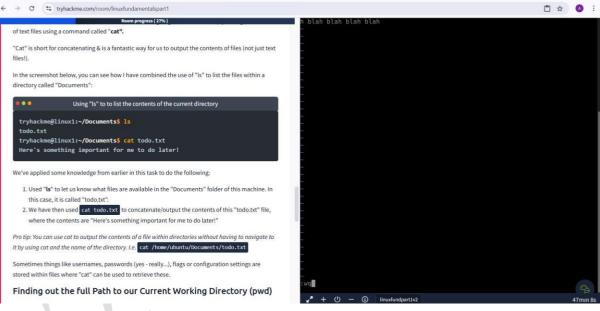
٠	ings such as:
	Websites that you visit
	Car entertainment/control panels
	Point of Sale (PoS) systems such as checkout tills and registers in shops
	Critical infrastructures such as traffic light controllers or industrial sensors
F	Flavours of <u>Linux</u>
1	he name "Linux" is actually an umbrella term for multiple OS's that are based on UNIX (another operating system). Thanks to Linux being open-source, variants of Linux come in all
	napes and sizes - suited best for what the system is being used for.
F	or example, Ubuntu & Debian are some of the more commonplace distributions of Linux because it is so extensible. I.e. you can run Ubuntu as a server (such as websites & web
8	pplications) or as a fully-fledged desktop. For this series, we're going to be using Ubuntu.
٨	ote: Ubuntu Server can run on systems with only 512MB of RAM!
9	imilar to how you have different versions Windows (7, 8 and 10), there are many different versions/distributions of <u>Linux</u> .
F	nswer the questions below
F	esearch: What year was the first release of a Linux operating system?
	1991 Correct Answer
ı	3 Interacting With Your First Linux Machine (In-Browser)

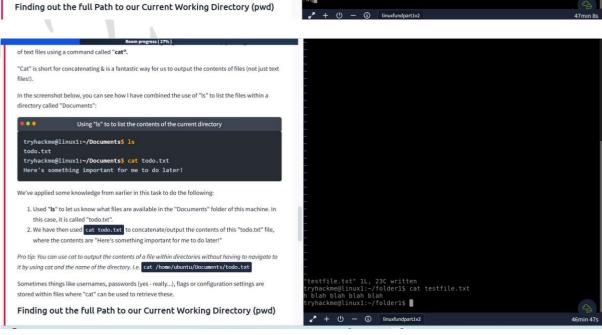




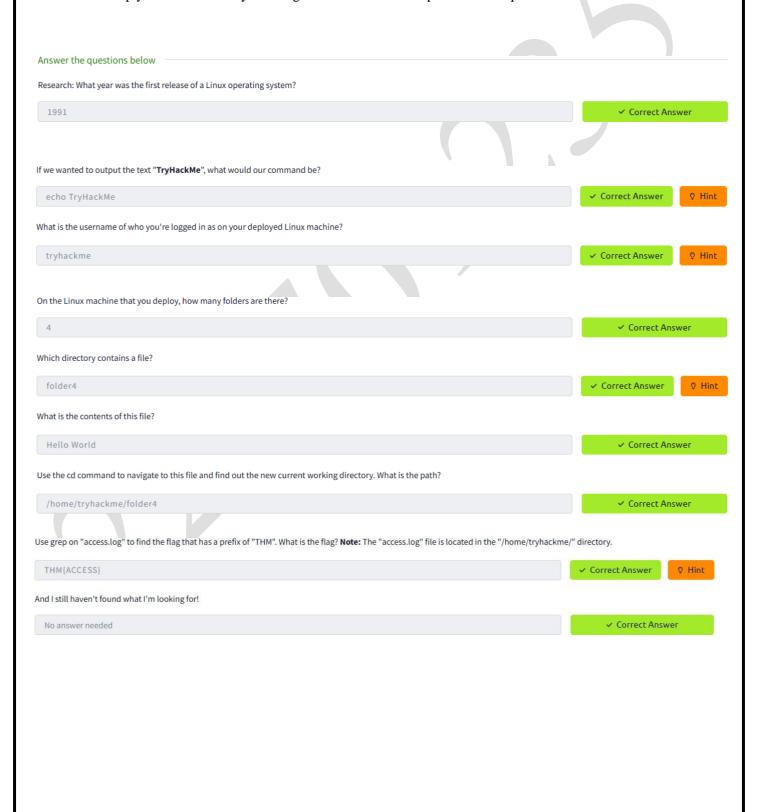


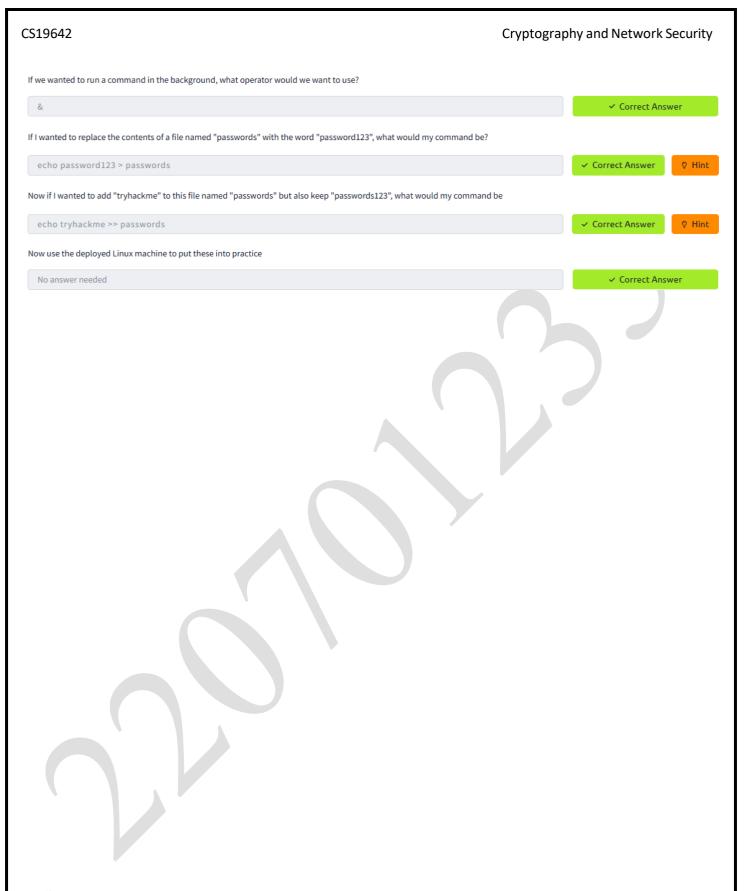






- 1. Understanding why Linux is so commonplace today
- 2. Interacting with your first-ever Linux machine!
- 3. Ran some of the most fundamental commands
- 4. Had an introduction to navigating around the filesystem & how we can use commands like find and grep to make finding data even more efficient!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





RESULT:

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