Linux Fundamentals – Exercise

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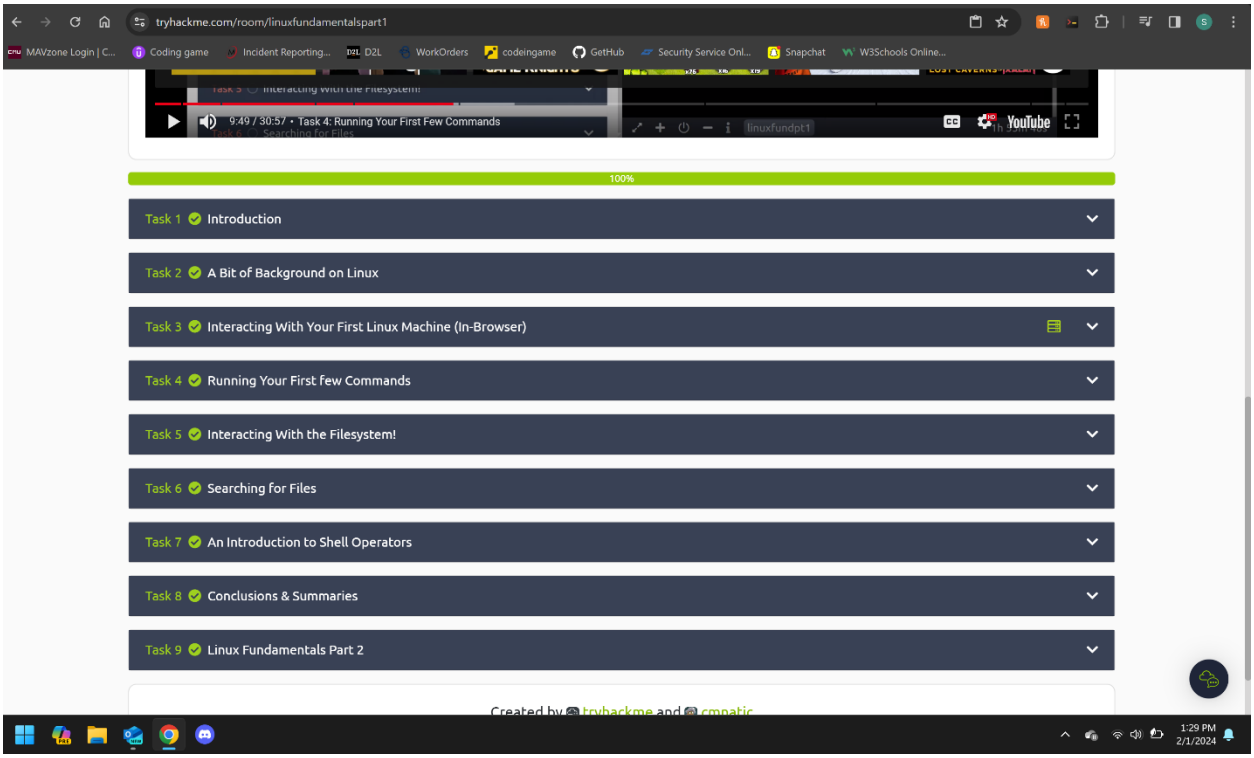
1. Linux Fundamentals

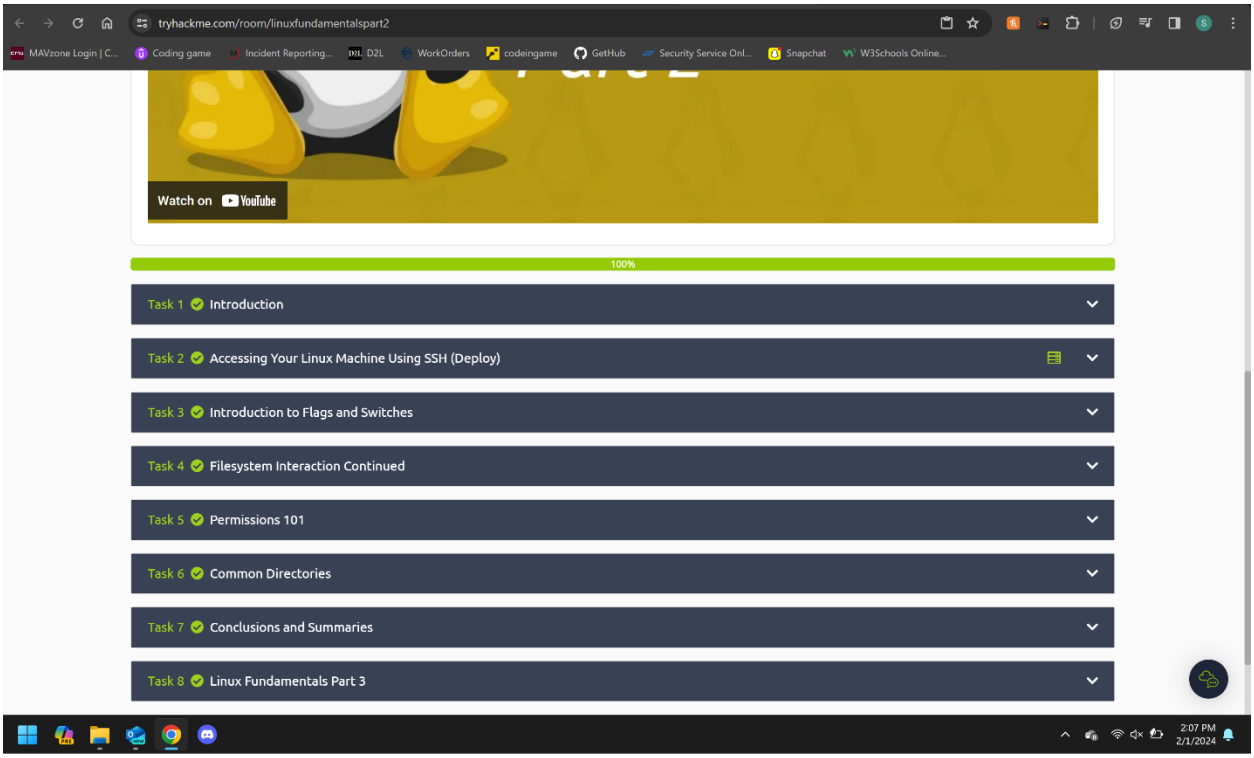
1.1 Linux Fundamentals Part 1

The goal of the first module is to get you acquainted with the operating system Linux and learning some essential commands and how users and groups work on Linux. In this moduale you learn how Linux is used in Websites control panels and more of your everyday life because of how light weight it is. Some of the commands that you learn in this leasson are echo witch outputs the textg that you provided, whoami show you wh is currently logged in, ls which list all the files and directory within the directory your in, and lastly cat witch allows you to see the contents of a file. Then the lesson tested your knowledge and made you navigate around a filesytem with these commands



1.2 Linux Fundamentals Part 2

In this module you learn how to connect to a remote Linux Machine using ssh and how you must use the IP address and know the correct credentials to sign in. Next you learned how to add flags and switches to certain commands to advance your knowledge of commands to get more accomplished and efficient within your Linux Terminal. It also goes over common directories besides the home directory. You learn what /var, /root, /tmp, and /etc directories are and what the job of each of them are. Lastly this module teaches you more commands in Linux like touch to create a file, mkdir to create a folder, cp to copy and mv to move or rename a file.



1.3 Linux Fundamentals Part 3

For the last module it will finally complete teaching you how to use and work with the fundamentals of Linux. You learn about terminal text editors like nano, vi, and vim and how you can use them to view contents of a file as well as edit them to with the terminal editors. Then you learn how to use python3 as a webserver and use the wget command to download content from the server to your machine. You also are introduced to processes which are programs running on your machine and managed by the kernel. You learn what PID increments means for process which means the order that the process will execute. Lastly you learn how your system is to at a certain time of the year, day, week, etc with crontabs. Also learn how to maintain your system by reviewing logs and who accesses certain files and directories.