LAPORAN

KUIZ

KEAMANAN SISTEM DAN JARINGAN KOMPUTER



Nama: Fendi Zulkarnain

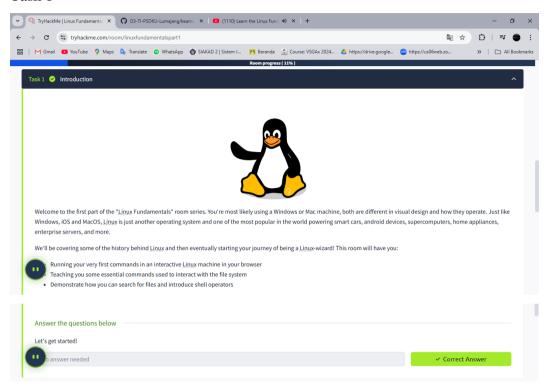
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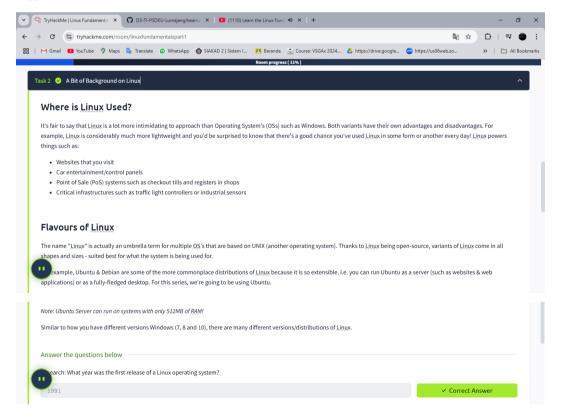
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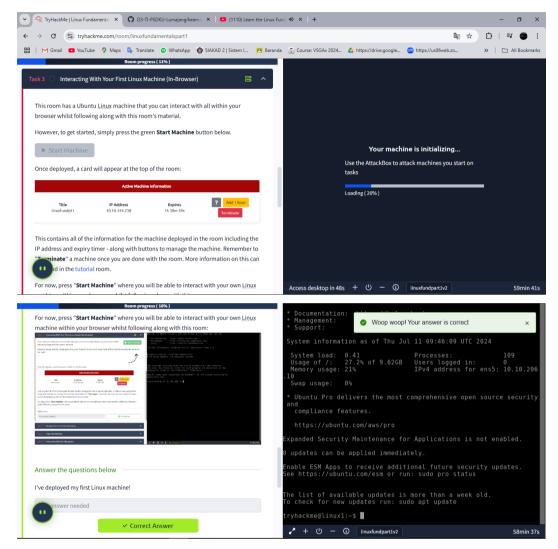
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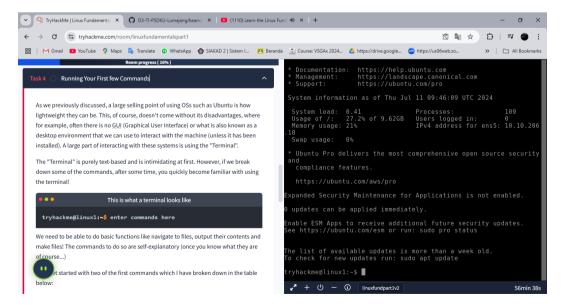
Linux Fundamentals

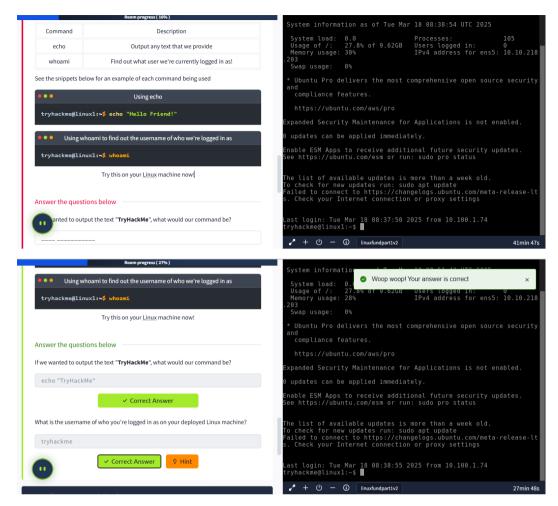
1. Task 1

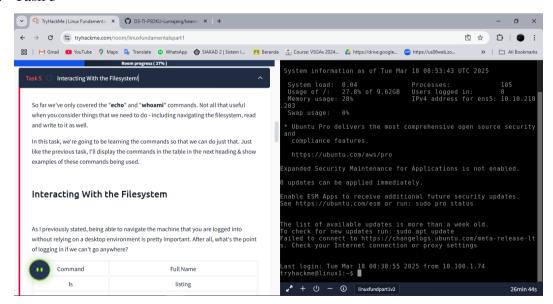


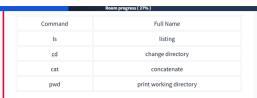








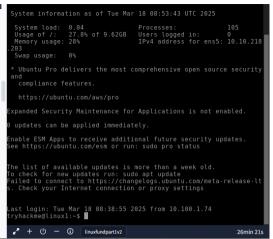




Listing Files in Our Current Directory (ls)

Before we can do anything such as finding out the contents of any files or folders, we need to know what exists in the first place. This can be done using the "Is" command (short for listing)





Room progress (27%)

In the screenshot above, we can see there are the following directories/folders:

- Important Files
- My Documents
- Notes
- Pictures

Great! You can probably take a guess as to what to expect a folder to contain given by its name.

Pro tip: You can list the contents of a directory without having to navigate to it by using ls and the name of the directory. I.e. 1s Pictures

Changing Our Current Directory (cd)

Now that we know what folders exist, we need to use the "cd" command (short for change directory) to change to that directory. Say if I wanted to open the "Pictures" ory - I'd do "cd Pictures". Where again, we want to find out the contents of this

es" directory and to do so, we'd use "**Is**" again:

Listing our new directory after we have used " cd "



Outputting the Contents of a File (cat)

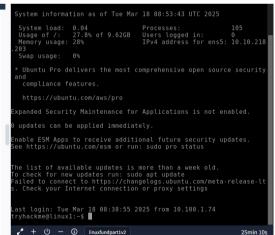
Whilst knowing about the existence of files is great — it's not all that useful unless we're able to view the contents of them.

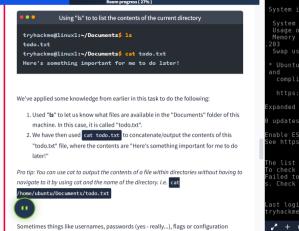
We will come on to discuss some of the tools available to us that allows us to transfer files from one machine to another in a later room. But for now, we're going to talk about simply seeing the contents of text files using a command called "cat".

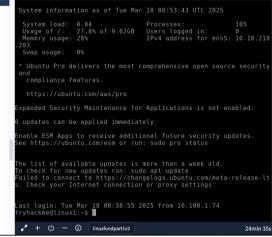
"Cat" is short for concatenating & is a fantastic way for us to output the contents of files (not just text files!).

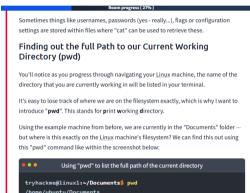
creenshot below, you can see how I have combined the use of "Is" to list the files a directory called "Documents":

Using "Is" to to list the contents of the current directory

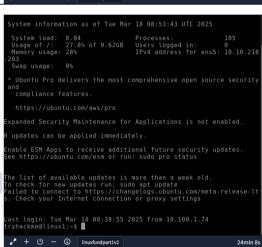


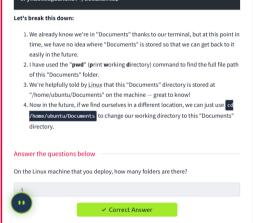


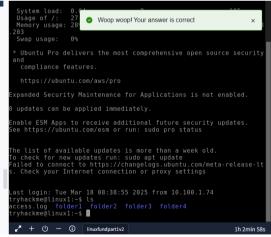


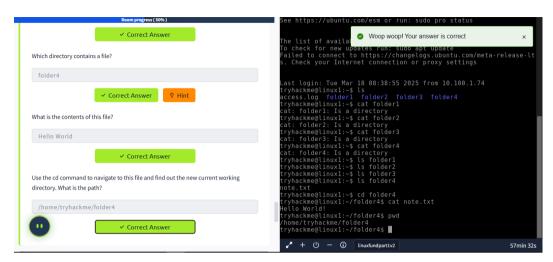


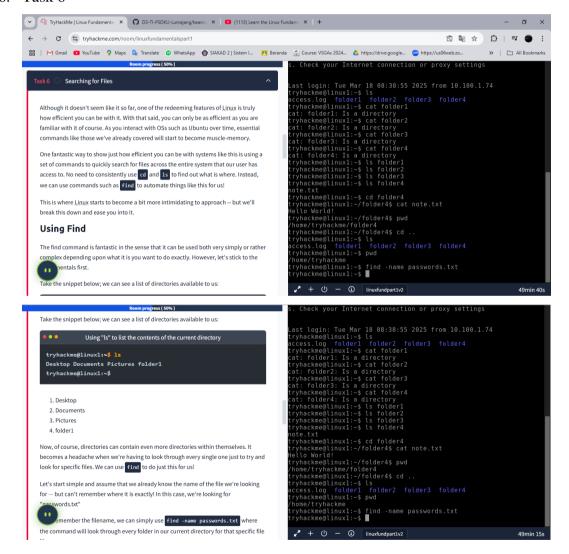


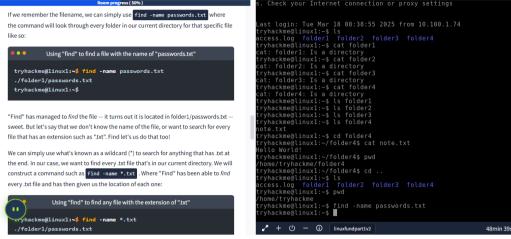




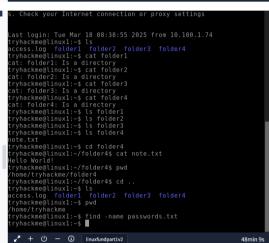












Take for example, the access log of a web server. In this case, the access.log of a web server has 244 entries.

Using "wc" to count the number of entries in "access.log"

tryhackme@linux1:-\$ wc -1 access.log

244 access.log

tryhackme@linux1:-\$

Using a command like cat isn't going to cut it too well here. Let's say for example if we wanted to search this log file to see the things that a certain user/IP address visited?

Looking through 244 entries isn't all that efficient considering we want to find a specific value.

We can use grep to search the entire contents of this file for any entries of the value that we are searching for. Going with the example of a web server's access log, we want to see everything that the IP address "81.143.211.90" has visited (note that this is fictional)

```
Last login: Tue Mar 18 08:38:55 2025 from 10:100:1.74

tryhackme@linuxl:-$ ls
access log folder! folder? folder3 folder4
tryhackme@linuxl:-$ cat folder1
cot: folder1: Is a directory
tryhackme@linuxl:-$ cat folder2
cat: folder2: Is a directory
tryhackme@linuxl:-$ cat folder3
cat: folder3: Is a directory
tryhackme@linuxl:-$ cat folder4
cat: folder4: Is a directory
tryhackme@linuxl:-$ cat folder4
cat: folder4: Is a directory
tryhackme@linuxl:-$ ls folder1
tryhackme@linuxl:-$ ls folder1
tryhackme@linuxl:-$ ls folder2
tryhackme@linuxl:-$ ls folder3
tryhackme@linuxl:-$ ls folder4
tryhackme@linuxl:-$ ls folder4
tryhackme@linuxl:-\folder4$ cat note.txt
Hello World
tryhackme@linuxl:-\folder4$ pwd
/home/tryhackme/folder4
tryhackme@linuxl:-\folder4$ cd ..
tryhackme@linuxl:-\folder4$ cd ..
tryhackme@linuxl:-\folder4
backme@linuxl:-$ ls
access.log folder1 folder2 folder3 folder4
tryhackme[linuxl:-$ spwd
/home/tryhackme
tryhackme[linuxl:-$ find -name passwords.txt
tryhackme@linuxl:-$ find -name passwords.txt
```

