Lab 1 - Linux Command Line

NOTE: Some of the contents of this lab has been produced based on material from National Cybersecurity Training and Education Center (NCyTE), USA.

Objective

After successful completion of the lab, students will demonstrate proficiency in command line to perform simple operational tasks in the Linux operating systems.

Lab Tasks (complete within the lab)

For the tasks in the lab, you need to be able to explain to the instructor how you solved these.

Task 1

🔥 **Marks: 15**

Download `The Witcher_Blood Of Elves_Summary.txt` from Google Classroom. **Find all 3-word strings that have *two capitalized words* in the beginning and end and *one lower case word* in the middle**. You can only use pipes and redirections in the terminal. You can use multiple commands.
Hint: `grep` and regular expressions might be your friend. Check regex101 for practice.
Expected Output:

```
Empire of Nilfgaard
Kingdom of Cintra
Cub of Cintra
```

```
 4    Emhyr var Emreis
 5    Emperor of Nilfgaard
 6    Geralt of Rivia
 7    Eskel and Lambert
 8    Yennefer of Vengerberg
 9    Geralt leaves Kaer
10    Triss and Ciri
11    School in Ellander
12    Dandelion and Shani
```

Task 2

> ♨ **Marks: 10**

Head over to Overthewire Bandit Site and reach level 5.
Note: Write the executed commands somewhere because you'll need those for the Lab Assignment

Lab Assignment (complete before next lab and submit in Google Classroom)

> ♨ **Marks: 30**

Reach **level 20** of Overthewire Bandit.

Submission

A report showing the solution process. For each level (*including the ones you solved during lab*) you should include:

- Name of the level
- Screenshot of the executed commands to solve the current level. For example, if you had to run 5 commands to get to the solution then attach screenshot of all those commands. The *ssh* command to connect to a level should also be included.

- Password of the next level

Clearly mention your name and ID at the top of the report and submit a **pdf** file. Filename of the report should be in the format **Lab1_ID.pdf**.