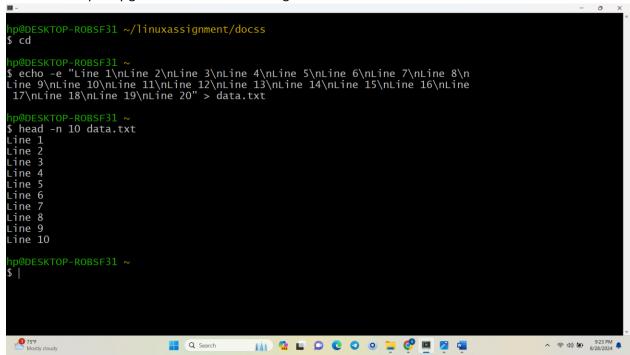
Problem 2:

Read the instructions carefully and answer accordingly. If there is any need to insert some data then do that as well.

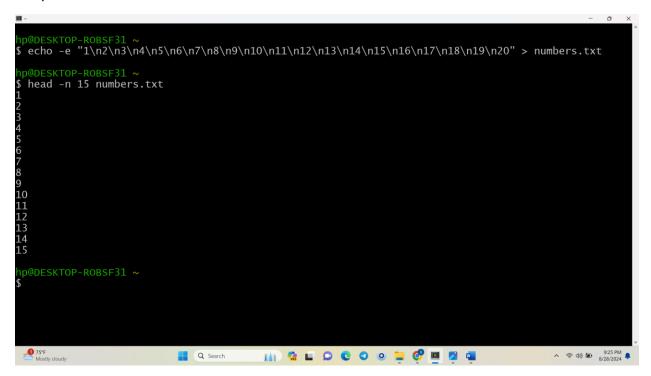
a. Suppose you have a file named "data.txt" containing important information. Display the first 10 lines of this file to quickly glance at its contents using a command.



b. Now, to check the end of the file for any recent additions, display the last 5 lines of "data.txt" using another command.

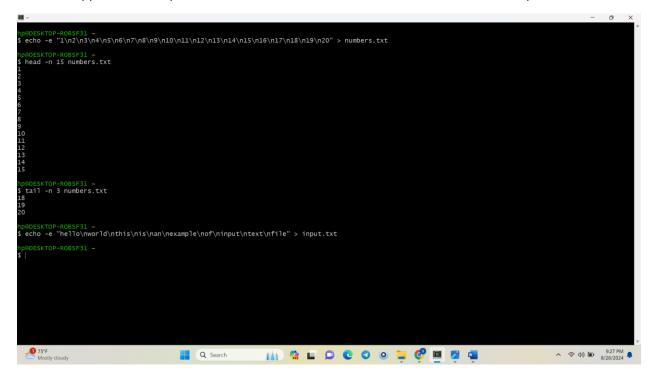
```
p@DESKTOP-ROBSF31
$ echo -e "Line 1\nLine 2\nLine 3\nLine 4\nLine 5\nLine 6\nLine 7\nLine 8\nLine 9\nLine 10\nLine 11\nLine 12\nLine 13\nLine 14\nLine 15\nLine 16\nLine 17\nLine 18\nLine 20" > data.txt
$ head -n 10 data.txt
 ine 1
ine 2
ine 3
 ine 4
 ine
Line 6
Line 7
Line 8
 Line 9
 Line 10
  p@DESKTOP-ROBSF31 ∼
$ tail -n 5 data.txt
Line 16
Line 17
Line 18
Line 19
Line 19
Line 20
  75°F
Mostly cloudy
                                                                 IAI 🤽 🖿 🖸 C O O 📮 🙋 🔳 💆 👊
                                                                                                                                                   へ (学 中) (金) 9:24 PM 
8/28/2024 単
                                             Q Search
```

c. In a file named "numbers.txt," there are a series of numbers. Display the first 15 lines of this file to analyze the initial data set.



d. To focus on the last few numbers of the dataset, display the last 3 lines of "numbers.txt".

e. Imagine you have a file named "input.txt" with text content. Use a command to translate all lowercase letters to uppercase in "input.txt" and save the modified text in a new file named "output.txt."



f. In a file named "duplicate.txt," there are several lines of text, some of which are duplicates. Use a command to display only the unique lines from "duplicate.txt."

```
hp@DESKTOP-ROBSF31 ~
$ echo -e "apple\nbanana\napple\norange\nbanana\npear" > duplicate.txt

hp@DESKTOP-ROBSF31 ~
$ sort duplicate.txt | uniq
apple
banana
orange
pear

hp@DESKTOP-ROBSF31 ~
$ |
```

g. In a file named "fruit.txt," there is a list of fruits, but some fruits are repeated. Use a command to display each unique fruit along with the count of its occurrences in "fruit.txt."