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.

```
© dasePutPD-ZEL08BUG:-$ ts
LinuxAssignment abc abc.txt sh1 sh2 sh3 sh4
cdaceLAPTOP-ZEL08BUG:-$ nano data.txt
cdaceLAPTOP-ZEL08BUG:-$ nano data.txt
helto
helto
by
exad
surite
watch
see
sae
cdaceLAPTOP-ZEL08BUG:-$

cdaceLAPTOP-ZEL08BUG:-$

helto
by
exad
surite
watch
see
sae
cdaceULAPTOP-ZEL08BUG:-$
```

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

- 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."

```
| cdac@LAPTOP-ZEL08BUG:-/LinuxAssignment$ nano input.txt
cdac@LAPTOP-ZEL08BUG:-/LinuxAssignment$ cat input.txt
hello
ny
world
good
morning
ny
name
is
amit
cdac@LAPTOP-ZEL08BUG:-/LinuxAssignment$ tr '[:lower:]' '[:upper:]' < input.txt > output.txt

HELLO
NY
WORLD
GOOD
HONNING
HY
NAME
IS
AMIT
cdac@LAPTOP-ZEL08BUG:-/LinuxAssignment$ |
```

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."

```
E deceLAPTOP-ZEL88BUG:-/LinuxAssignment$ ls
docs extracted.docs file1.txt input.txt
docs.zip file.txt file2.txt output.txt
cdaceLAPTOP-ZEL88BUG:-/LinuxAssignment$ nano duplicate.txt
cdaceLAPTOP-ZEL88BUG:-/LinuxAssignment$ sort duplicate.txt | uniq
bye
evening
sunny
suorld
cdaceLAPTOP-ZEL88BUG:-/LinuxAssignment$ cat duplicate.txt
hello
hello
bye
bye
bye
sund
sunny
```

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."

```
## Cdas@LAPTOP-ZEL08BUC:-/LinuxAssignment$ ls
docs duplicate.txt file.txt file2.txt output.txt
docs.zip extracted_docs file.txt input.txt
cdas@LAPTOP-ZEL08BUC:-/LinuxAssignment$ cat fruit.txt
cdas@LAPTOP-ZEL08BUC:-/LinuxAssignment$ cat fruit.txt
orange
apple
apple
apple
apple
apple
acas@LAPTOP-ZEL08BUC:-/LinuxAssignment$ ^C
cdas@LAPTOP-ZEL08BUC:-/LinuxAssignment$ *C
```