# **Operating System**

## **Lab Report**

## Lab 04 (Sessional-1)



Group Members Name & Reg #:	Muhammad Haris Irfan (FA18-BCE-090)
Class	Operating System (BCE-5B)
Instructor's Name	Sir Wasif

## **In Lab Tasks**

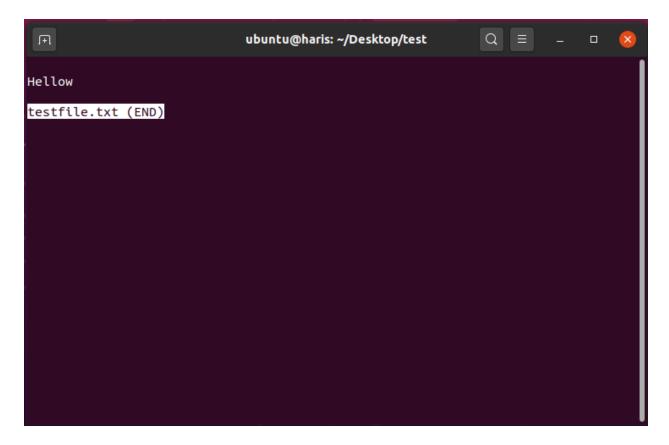
## **Question 1: Activity 1:**

This activity is related to file permission. Perform the following tasks

- 1. Create a file "testfile.txt" in /test directory
- 2. View and read the file using Less command
- 3. Use wc command to print lines, words and bytes
- 4. Find any text pattern in the file using grep
- 5. Print the first 3 lines of the file using head
- 6. Print the last 3 lines of the file using tail

#### **Solution:**

```
ubuntu@haris: ~/Desktop/test Q = - □ &
ubuntu@haris: ~/Desktop/test$ cat > testfile.txt
Hellow^C
ubuntu@haris: ~/Desktop/test$ ■
```



```
ubuntu@haris: ~/Desktop/test
Q = - D

ubuntu@haris: ~/Desktop/test$ cat >> testfile.txt
hello1
hello2
hello3
hello4
^C^C
ubuntu@haris: ~/Desktop/test$ head -n 3 testfile.txt
hello1
hello2
hello3
ubuntu@haris: ~/Desktop/test$
```

```
ubuntu@haris: ~/Desktop/test
Q = - □ 
ubuntu@haris: ~/Desktop/test$ tail -n 3 testfile.txt
hello2
hello3
hello4
ubuntu@haris: ~/Desktop/test$
```

## **Question 2: Activity 2:**

Perform the following tasks:

- 1. Find all the files with extension txt in the /test directory
- 2. Find the first line of the list of files in the /test directory
- 3. Find the last line of the list of files in the /test directory
- 4. Produce and view a single sorted list of files by combining two directories: /Desktop and /bin

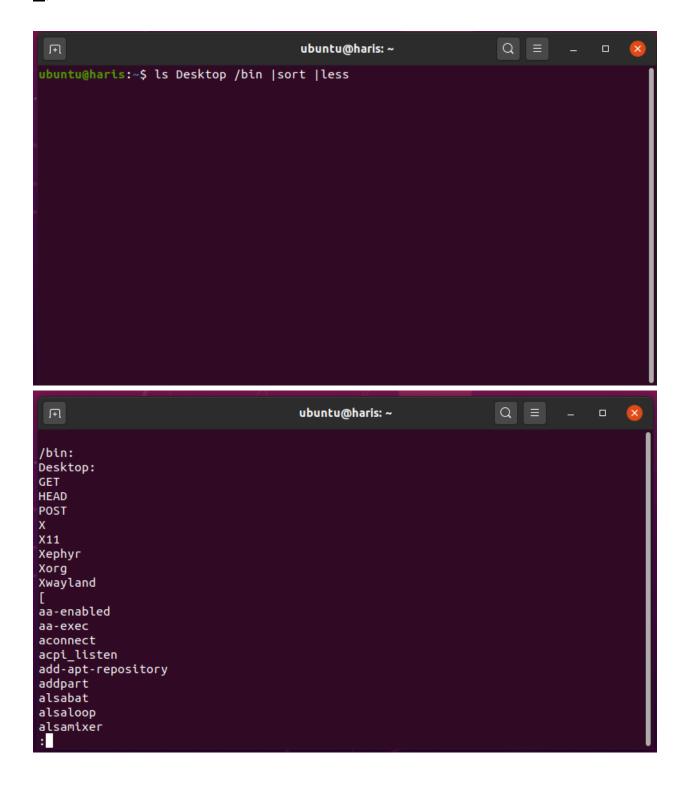
#### **Solution:**

```
ubuntu@haris: ~/Desktop/test Q = - D 
ubuntu@haris: ~/Desktop/test$ ls | grep txt
testfile.txt
ubuntu@haris: ~/Desktop/test$
```

```
ubuntu@haris: ~/Desktop/test Q = - □ X

ubuntu@haris: ~/Desktop/test$ ls | head -n 1
testfile.txt
ubuntu@haris: ~/Desktop/test$
```

```
ubuntu@haris: ~/Desktop/test$ | | head -n 1 |
testfile.txt
ubuntu@haris: ~/Desktop/test$ | cat > testfile1.txt
second^C
ubuntu@haris: ~/Desktop/test$ | s tail-n 1 |
ls: cannot access 'tail-n': No such file or directory
ls: cannot access '1': No such file or directory
ubuntu@haris: ~/Desktop/test$ | s | tail -n 1 |
testfile1.txt
ubuntu@haris: ~/Desktop/test$
```



#### **THE END**