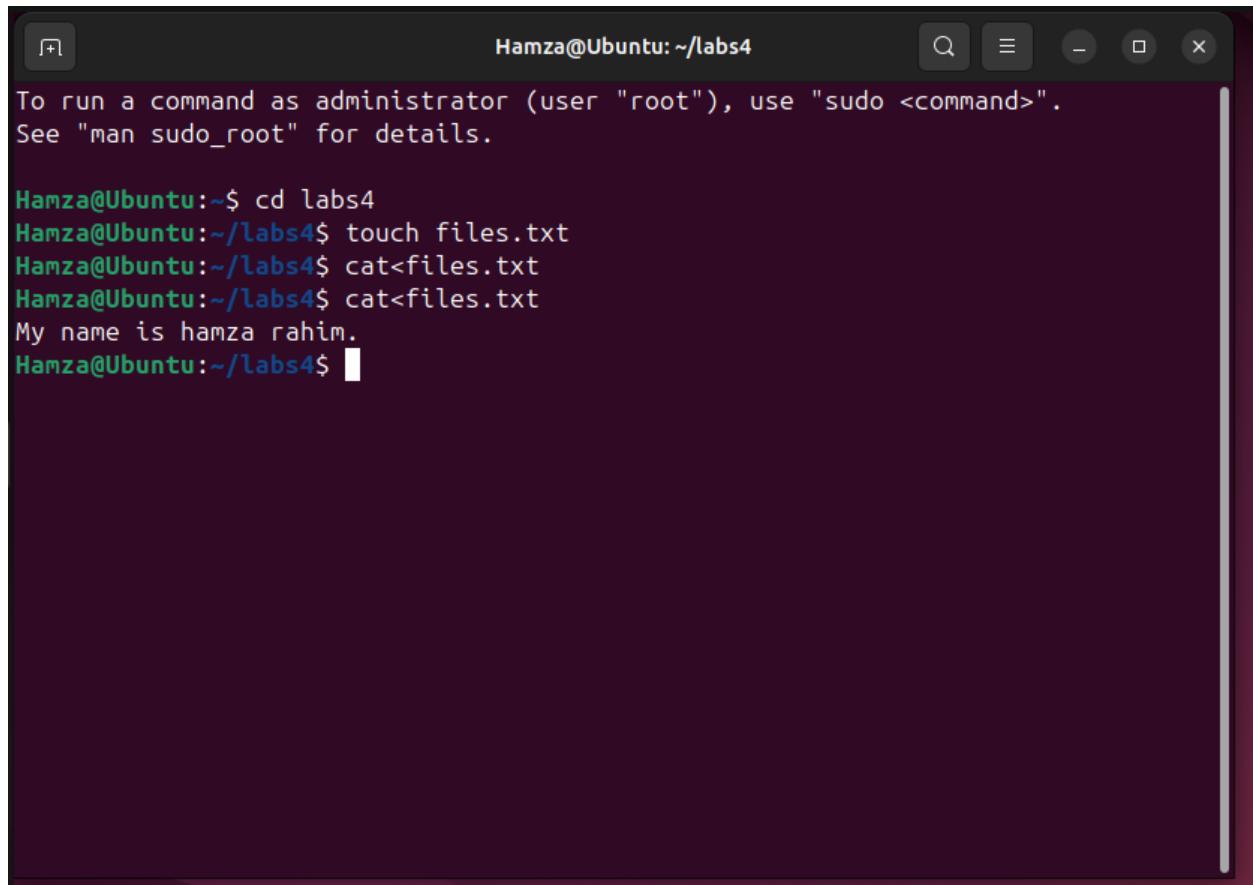


Name	Sap-Id	Course
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## ASSISMENT LABS TASK-04

### CAT\_COMMAND:



The screenshot shows a terminal window titled "Hamza@Ubuntu: ~/labs4". The terminal displays the following session:

```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Hamza@Ubuntu:~$ cd labs4
Hamza@Ubuntu:~/labs4$ touch files.txt
Hamza@Ubuntu:~/labs4$ cat<files.txt
Hamza@Ubuntu:~/labs4$ cat<files.txt
My name is hamza rahim.
Hamza@Ubuntu:~/labs4$
```

### File within file:

#### File#01:

```
[+]
Hamza@Ubuntu:~/labs4
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Hamza@Ubuntu:~$ ls
adir  Documents  labs3  Music    Public  Templates
Desktop  Downloads  labs4  Pictures  snap    Videos
Hamza@Ubuntu:~$ cd labs4
Hamza@Ubuntu:~/labs4$ ls
56776.txt  files.txt
Hamza@Ubuntu:~/labs4$ cd 56776.txt
bash: cd: 56776.txt: Not a directory
Hamza@Ubuntu:~/labs4$ cat<56776.txt
Hamza@Ubuntu:~/labs4$ cat<56776.txt
My name is hamza rahim.

Hamza@Ubuntu:~/labs4$ cat>56776.txt

123
435
4534
Hamza@Ubuntu:~/labs4$ ls
56776.txt  files.txt
```

## File#02:

```
[+]
Hamza@Ubuntu:~/labs4
123
435
4534
Hamza@Ubuntu:~/labs4$ ls
56776.txt  files.txt
Hamza@Ubuntu:~/labs4$ cat<56776.txt

123
435
4534
Hamza@Ubuntu:~/labs4$ touch file3.txt
Hamza@Ubuntu:~/labs4$ ls
56776.txt  file3.txt  files.txt
Hamza@Ubuntu:~/labs4$ cat 56776.txt files.txt>file3.txt
Hamza@Ubuntu:~/labs4$ cat<file3.txt
```

### **File#03:**

```
Hamza@Ubuntu:~/labs4$ touch file3.txt
Hamza@Ubuntu:~/labs4$ ls
56776.txt  file3.txt  files.txt
Hamza@Ubuntu:~/labs4$ cat 56776.txt files.txt>file3.txt
Hamza@Ubuntu:~/labs4$ cat<file3.txt
```

```
123
435
4534
My name is hamza rahim.
```

```
Hamza@Ubuntu:~/labs4$
```

**Now we will use head to display first 10 lines:**

**10 values enters:**

```
Hamza@Ubuntu:~/labs4$ cat>56776.txt
1
2
3
4
5
6
8
7
9
10
11
12
13
14
15
16
17
18
19
```

## Head command:

```
20Hamza@Ubuntu:~/labs4$ head 56776.txt  
1  
2  
3  
4  
5  
6  
8  
7  
9  
10
```

## Tail command:

```
Hamza@Ubuntu:~/labs4$ tail 56776.txt  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20Hamza@Ubuntu:~/labs4$ tail -n 5 56776.txt  
16  
17  
18  
19  
20Hamza@Ubuntu:~/labs4$ █
```

## Sorted and unsorted file:

## Sorted file and unsorted file creation and task performance:

```
Hamza@Ubuntu:~/labs4$ touch sorted.txt
Hamza@Ubuntu:~/labs4$ touch.unsorted.txt
touch.unsorted.txt: command not found
Hamza@Ubuntu:~/labs4$ ls
56776.txt file3.txt files.txt sorted.txt
Hamza@Ubuntu:~/labs4$ sort <file.txt> sorted.txt
bash: file.txt: No such file or directory
Hamza@Ubuntu:~/labs4$ sort <56776.txt> sorted.txt
Hamza@Ubuntu:~/labs4$ cat>sorted.txt
123
234
345
654
45
676
Hamza@Ubuntu:~/labs4$ cat>unsorted.txt
1
2
3
4
2
323
5
6
```

### **Sorted txt:**

```
8Hamza@Ubuntu:~/labs4$ sort<unsorted.txt> sorted.txt
Hamza@Ubuntu:~/labs4$ cat<sorted.txt

1
2
2
3
323
4
5
6
7
8
```

### **Unsorted txt:**

```
Hamza@Ubuntu:~/labs4$ cat<unsorted.txt
```

```
1  
2  
3  
4  
2  
323  
5  
6  
7
```

### **Create a new file and copy data from old file:**

```
8Hamza@Ubuntu:~/labs4$ touch new.txt  
Hamza@Ubuntu:~/labs4$ ls  
56776.txt file3.txt files.txt new.txt sorted.txt unsorted.txt  
Hamza@Ubuntu:~/labs4$ cp sorted.txt  
cp: missing destination file operand after 'sorted.txt'  
Try 'cp --help' for more information.  
Hamza@Ubuntu:~/labs4$ cp.unsorted.txt  
cp.unsorted.txt: command not found  
Hamza@Ubuntu:~/labs4$ cp sorted.txt [new.txt]  
Hamza@Ubuntu:~/labs4$ cp sorted.txt new.txt  
Hamza@Ubuntu:~/labs4$ cat<sorted.txt
```

```
1  
2  
2  
3  
323  
4  
5  
6  
7
```

```
8
Hamza@Ubuntu:~/labs4$ cat<new.txt

1
2
2
3
323
4
5
6
7
8
Hamza@Ubuntu:~/labs4$ mv new directory[data]
mv: cannot stat 'new': No such file or directory
Hamza@Ubuntu:~/labs4$ mv new.txt labs4[data.txt]
Hamza@Ubuntu:~/labs4$ mv labs4[data.txt] data
Hamza@Ubuntu:~/labs4$ ls
56776.txt  file3.txt  '[new.txt]'  unsorted.txt
data      files.txt  sorted.txt
Hamza@Ubuntu:~/labs4$
```

## **LAB Task:**

**1: Creat a blank text file on your home directory with your name.**

```
-
Hamza@Ubuntu:~$ touch hamza.txt
Hamza@Ubuntu:~$ mkdir students
Hamza@Ubuntu:~$ cd students
Hamza@Ubuntu:~/students$ cd hamza.txt
bash: cd: hamza.txt: No such file or directory
Hamza@Ubuntu:~/students$ cat<hamza.txt
bash: hamza.txt: No such file or directory
Hamza@Ubuntu:~/students$ cat>hamza.txt
1
2
34
5
6
7
8
```

**2:Make the directory with the name of students.**

```
Hamza@Ubuntu:~$ mkdir students
Hamza@Ubuntu:~$ cd students
Hamza@Ubuntu:~/students$ cd hamza.txt
bash: cd: hamza.txt: No such file or directory
```

### **3:change the directory to student and copy the txt file in it:**

```
Hamza@Ubuntu:~/students$ cat>hamza.txt
1
2
34
5
6
7
8
Hamza@Ubuntu:~/students$ touch student2.txt
Hamza@Ubuntu:~/students$ cat hamza.txt
1
2
34
5
6
7
8
Hamza@Ubuntu:~/students$ touch student3.txt
Hamza@Ubuntu:~/students$ cat hamza.txt student2.txt>student3.txt
Hamza@Ubuntu:~/students$ cat<student3.txt
1
2
34
```