

## OST LAB

### Week 1

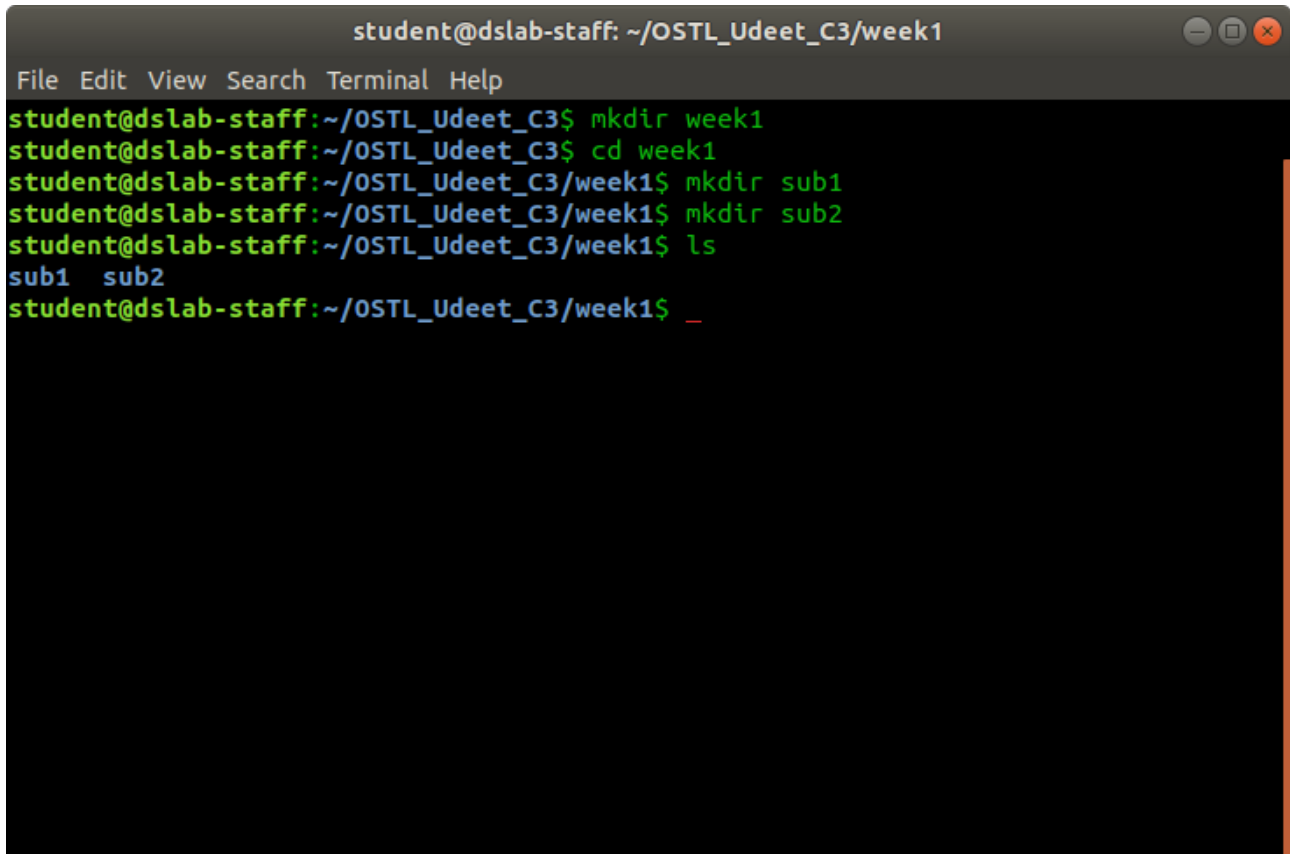
Udeet Mittal

CSE C3

Roll Number 64

1.

i)

A terminal window titled 'student@dslab-staff: ~/OSTL\_Udeet\_C3/week1' with standard window controls. The terminal shows a series of commands and their outputs: 'mkdir week1' is executed; 'cd week1' is executed; 'mkdir sub1' and 'mkdir sub2' are executed; 'ls' is executed, resulting in the output 'sub1 sub2'. The prompt returns to the shell.

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3$ mkdir week1
student@dslab-staff:~/OSTL_Udeet_C3$ cd week1
student@dslab-staff:~/OSTL_Udeet_C3/week1$ mkdir sub1
student@dslab-staff:~/OSTL_Udeet_C3/week1$ mkdir sub2
student@dslab-staff:~/OSTL_Udeet_C3/week1$ ls
sub1  sub2
student@dslab-staff:~/OSTL_Udeet_C3/week1$ _
```

ii)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1/sub1
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1$ cd sub1
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ cat > x.txt
test1
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ cat > y.txt
test2
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ cat > z.txt
test3
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ ls
x.txt y.txt z.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ _
```

iii)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1/sub2
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1$ cp sub1/x.txt sub2/
student@dslab-staff:~/OSTL_Udeet_C3/week1$ cd sub2
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ ls
x.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ cat x.txt
test1
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ _
```

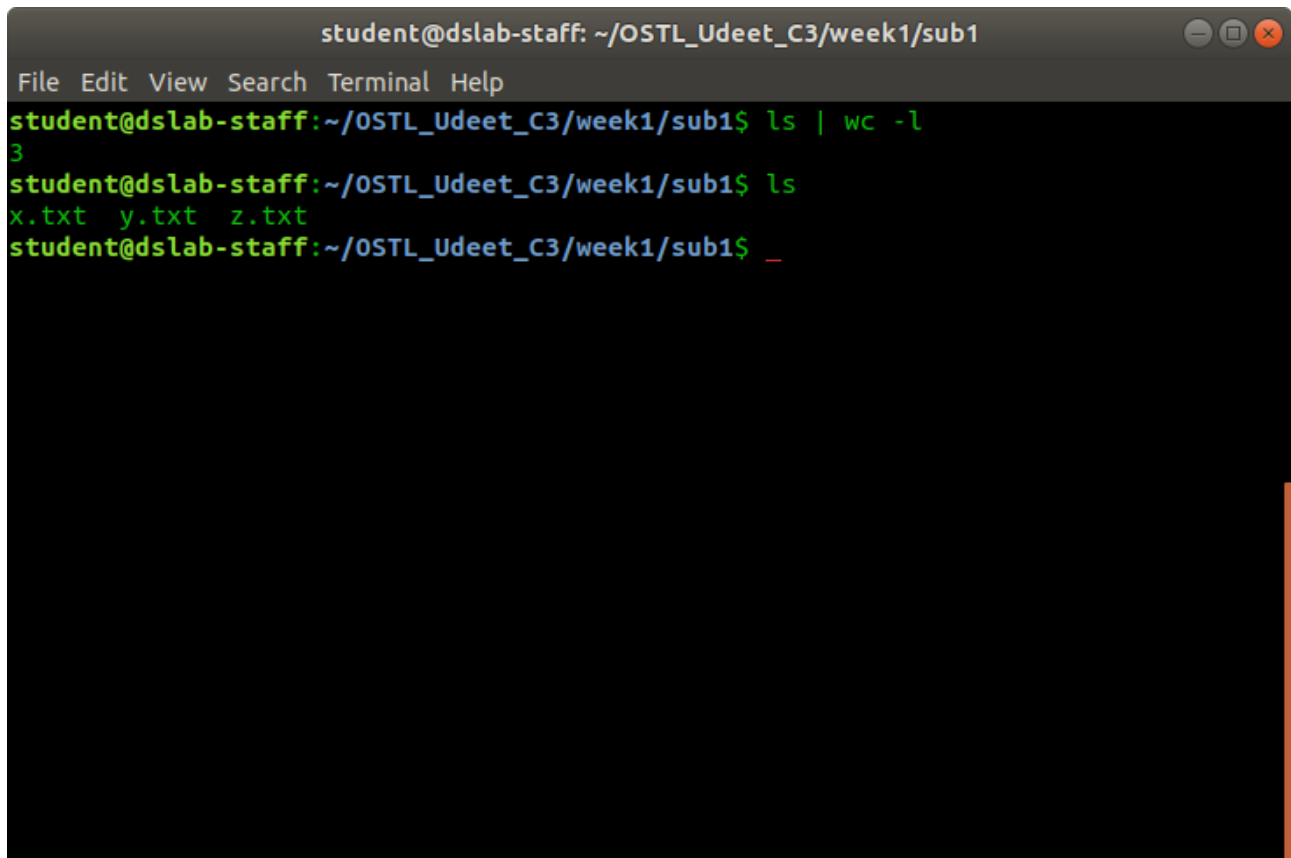
iv)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1/sub2
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ who > file2.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ cat file2.txt
student  :0                2021-11-11 12:36 (:0)
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ ls | wc -l >> file2.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ cat file2.txt
student  :0                2021-11-11 12:36 (:0)
2
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub2$ _
```

v)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1$ cat > abc.txt
hello
student@dslab-staff:~/OSTL_Udeet_C3/week1$ cat > Abc.txt
bye
student@dslab-staff:~/OSTL_Udeet_C3/week1$ ls [aA]*
abc.txt  Abc.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1$ _
```

vi)

A terminal window titled 'student@dslab-staff: ~/OSTL\_Udeet\_C3/week1/sub1'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ ls | wc -l
3
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ ls
x.txt  y.txt  z.txt
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ _
```

vii)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1/sub1
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ cat > hello.c
#include <stdio.h>
int main()
{
printf("Hello World!\n");
return 0;
}
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ cc hello.c && ./a.out
Hello World!
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ _
```

viii)

```
student@dslab-staff: ~/OSTL_Udeet_C3/week1/sub1
File Edit View Search Terminal Help
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ wc -l hello.c
6 hello.c
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ _
```

2)

student@dslab-staff: ~/OSTL\_Udeet\_C3/week1/sub1

File Edit View Search Terminal Help

```
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ date
```

```
Thu Nov 11 16:24:55 IST 2021
```

```
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ ls
```

```
a.out hello.c x.txt y.txt z.txt
```

```
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ pwd
```

```
/home/student/OSTL_Udeet_C3/week1/sub1
```

```
student@dslab-staff:~/OSTL_Udeet_C3/week1/sub1$ _
```