

MUHAMMAD AYAZ HASAN

20K-1044

BS-SE (5A)

LAB 3

```
student@lab41-20: ~/Desktop
student@lab41-20:~/Desktop$ nano shelly.sh
student@lab41-20:~/Desktop$ cat shelly.sh
echo"shell Programming"

student@lab41-20:~/Desktop$ ls
file1 file2 file.c LAB08 lab.c PDC_Final_Project-main shelly.sh thread
student@lab41-20:~/Desktop$ chmod +x Desktop/shelly.sh
chmod: cannot access 'Desktop/shelly.sh': No such file or directory
student@lab41-20:~/Desktop$ chmod +x ./shelly.sh
student@lab41-20:~/Desktop$ ./shelly.sh
./shelly.sh: line 1: echoshell Programming: command not found
student@lab41-20:~/Desktop$ nano shelly.sh
student@lab41-20:~/Desktop$ ./shelly.sh
./shelly.sh: line 1: echoshell Programming: command not found
student@lab41-20:~/Desktop$ ls
file1 file2 file.c LAB08 lab.c PDC_Final_Project-main shelly.sh thread
student@lab41-20:~/Desktop$ chmod +x ./shelly.sh
student@lab41-20:~/Desktop$ ./shelly.sh
./shelly.sh: line 1: echoshell Programming: command not found
student@lab41-20:~/Desktop$ nano shelly.sh
student@lab41-20:~/Desktop$ ./shelly.sh
shell Programming
student@lab41-20:~/Desktop$
```

```
ls: cannot access 'Desktop/shelly.sh': No such file or directory
student@lab41-20:~/Desktop$ ls -l /shelly.sh
ls: cannot access '/shelly.sh': No such file or directory
student@lab41-20:~/Desktop$ ls -l ./shelly.sh
-rwxrwxr-x 1 student student 28 Sep  2 09:55 ./shelly.sh
student@lab41-20:~/Desktop$ ./shelly.sh
shell Programming
student@lab41-20:~/Desktop$
```

```
student@lab4l-20: ~/Desktop
student@lab4l-20:~/Desktop$ ~/Desktop$ /bin/sh
bash: /home/student/Desktop$: No such file or directory
student@lab4l-20:~/Desktop$ /bin/sh
$ date
Fri 02 Sep 2022 10:04:13 AM PKT
$ date; pwd
Fri 02 Sep 2022 10:04:57 AM PKT
/home/student/Desktop
$ echo 'hellow from ayaz'; ./shelly.sh
hellow from ayaz
shell Programming
$ exit
student@lab4l-20:~/Desktop$ /bin/sh
$ message="This is operating system lab 3";
$ echo $message;
This is operating system lab 3
$ pwd; date; echo $message; ./shelly.sh;
/home/student/Desktop
Fri 02 Sep 2022 10:07:01 AM PKT
This is operating system lab 3
shell Programming
$
```

```
student@lab4l-20: ~/Desktop
$ x=2
$ y=110.2
$ msg="hello world"
$ z=msg
$ a=msg
$ echo "we are printing";
we are printing
$ echo "the value of x=$x"
the value of x=2
$ echo "the value of y=$y"
the value of y=110.2
$ echo "the value of msg=$msg"
the value of msg=hello world
$ echo "the value of z=$z"
the value of z=msg
$ echo "the value of a=$a"
the value of a=hello world
$
```

```
student@lab4l-20: ~
student@lab4l-20:~$ nano shelly.sh
student@lab4l-20:~$ cat shelly.sh

read x
echo "The value of x=$x"
read x y
echo "The values of x=$x and y=$y"
read -p "enter values of x and y "x y
echo "The values of x=$x and y=$y"

student@lab4l-20:~$
```

```
student@lab41-20:~$ ./shelly.sh 1 2 3
the first command line argument is File name ./shelly.sh
The rest of the command line argument are: First=1 Second=2 and Third=3
The values of x=1 y=2 and z=2
student@lab41-20:~$
```

```
student@student-lab: ~
File Edit View Search Terminal Help
student@student-lab:~$ nano shelly.sh
student@student-lab:~$ chmod +x shelly.sh
student@student-lab:~$ ./shelly.sh
enter b value25
result=75
result1=2500
student@student-lab:~$
```

```
student@student-lab:~$ nano shelly.sh
student@student-lab:~$ ./shelly.sh
enter b value2
a is greater
student@student-lab:~$ nano shelly.sh
student@student-lab:~$ ./shelly.sh
enter b value79
b is greater
```

student@student-lab: ~

File Edit View Search Terminal Help

```
student@student-lab:~$ nano shelly.sh
```

```
student@student-lab:~$ ./shelly.sh
```

input the case choice2

This is the second choice

```
student@student-lab:~$ ./shelly.sh
```

input the case choice5

This is no choice

```
student@student-lab:~$ ./shelly.sh
```

input the case choice1

This is the first choice

```
student@student-lab:~$
```

```
student@student-lab: ~
File Edit View Search Terminal Help
student@student-lab:~$ nano shelly.sh
student@student-lab:~$ ./shelly.sh
Enter the number of directories to be created:2
Enter the name of the directory:ayaz1
Enter the name of the directory:ayaz2
student@student-lab:~$ ./shelly.sh
Enter the number of directories to be created:1
Enter the name of the directory:ayaz1
mkdir: cannot create directory 'ayaz1': File exists
Directory creation failed
student@student-lab:~$
```

```
student@student-lab:~$ ./shelly.sh
Enter two whole numbers,Separated by space:55 1
The smallest is: 1
student@student-lab:~$
```