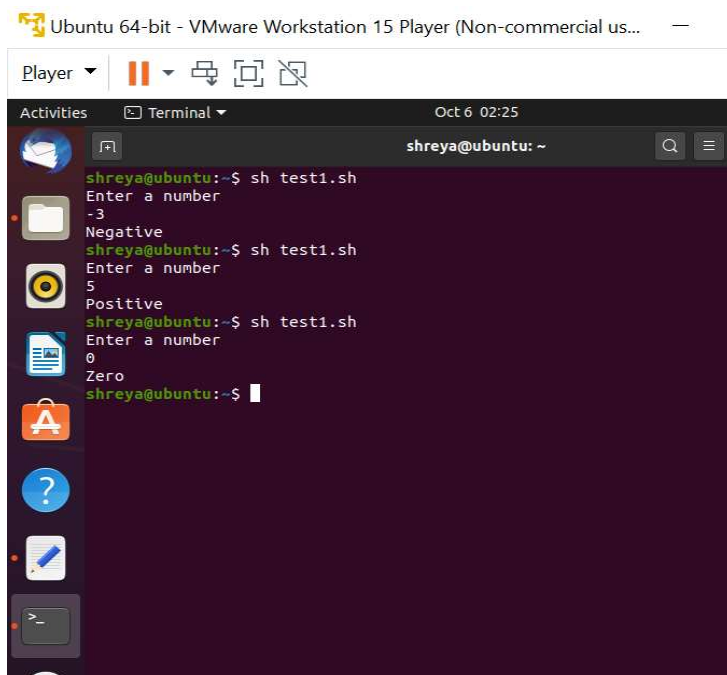


**LAB 2 PROGRAMS**

**1) Program to check if the number is positive , negative or zero using test operator.**

**CODE:**

```
echo "Enter a number"
read num
if [ $num -lt 0 ]
then
    echo "Negative"
elif [ $num -gt 0 ]
then
    echo "Positive"
else
    echo "Zero"
fi
```

**OUTPUT:**

The screenshot shows a terminal window titled "shreya@ubuntu: ~" with a dark purple background. The terminal displays the following sequence of commands and outputs:

```
shreya@ubuntu:~$ sh test1.sh
Enter a number
-3
Negative
shreya@ubuntu:~$ sh test1.sh
Enter a number
5
Positive
shreya@ubuntu:~$ sh test1.sh
Enter a number
0
Zero
shreya@ubuntu:~$
```

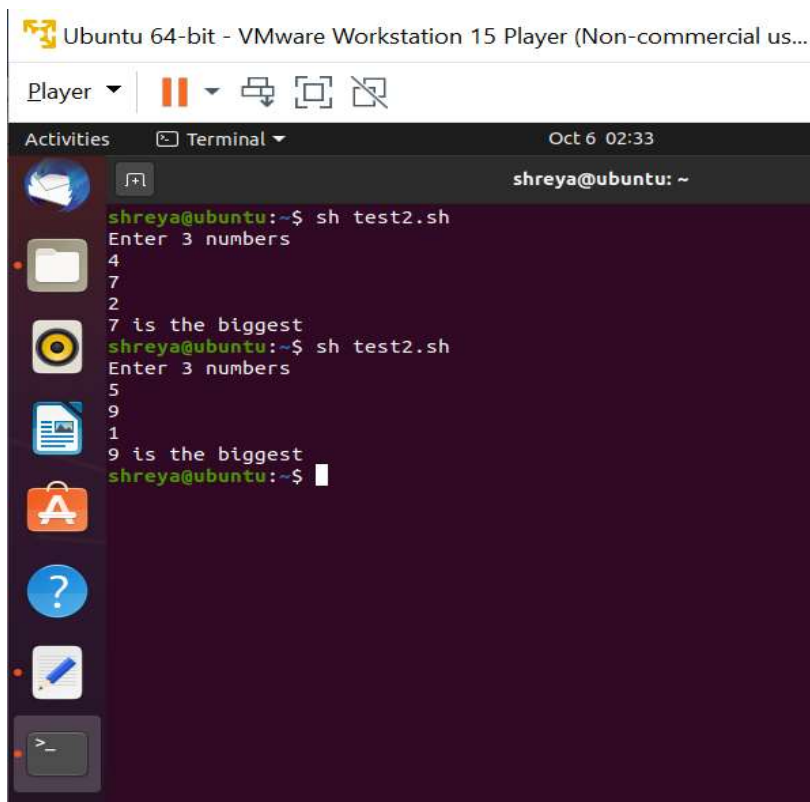
The terminal window is part of a VMware Workstation 15 Player, as indicated by the title bar "Ubuntu 64-bit - VMware Workstation 15 Player (Non-commercial us...". The window includes a toolbar with icons for Player, Terminal, and other functions. The left sidebar shows various application icons, including a file manager, a terminal, and a help icon.

## 2) Shell script to find largest of 3 numbers using test operators and && operators.

### CODE:

```
echo "Enter 3 numbers"
read num1
read num2
read num3
if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]
then
    echo "$num1 is the biggest"
elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]
then
    echo "$num2 is the biggest"
elif [ $num3 -gt $num1 ] && [ $num3 -gt $num1 ]
then
    echo "$num3 is the biggest"
else
    echo "Equal numbers"
fi
```

### OUTPUT:



The screenshot shows a terminal window titled "Ubuntu 64-bit - VMware Workstation 15 Player (Non-commercial us...". The terminal displays the following output:

```
shreya@ubuntu:~$ sh test2.sh
Enter 3 numbers
4
7
2
7 is the biggest
shreya@ubuntu:~$ sh test2.sh
Enter 3 numbers
5
9
1
9 is the biggest
shreya@ubuntu:~$
```

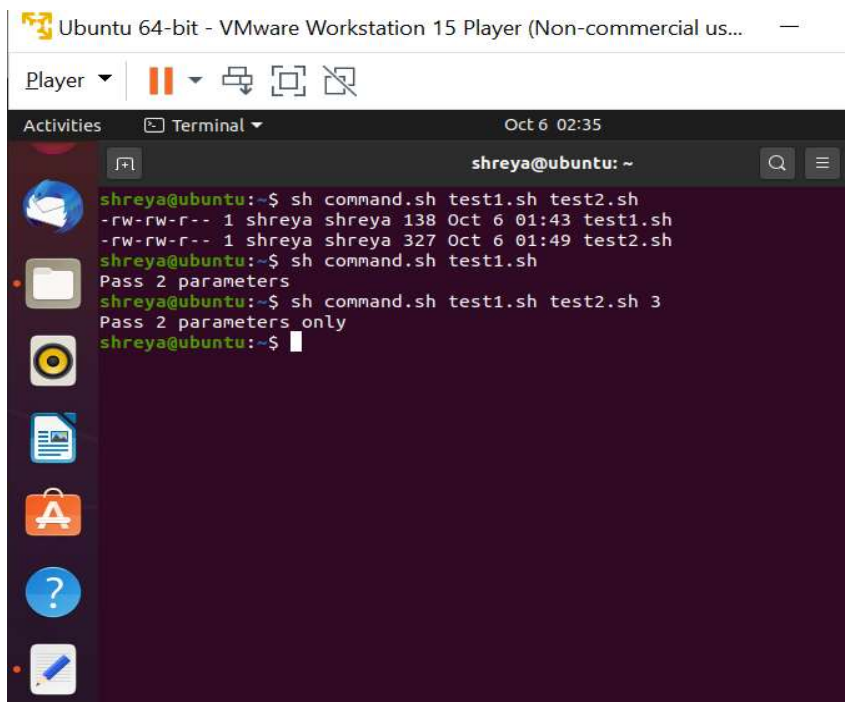
3) Write a shell Script to accept two command Line parameters Using Positional parameter technique display the file attributes of the parameters .Use appropriate if conditions in the program to check the number of arguments.

#### CODE:

```
if test $# -eq 0
then
echo "No parameters passed"
elif test $# -eq 2
then
echo `ls -l $1` || echo "$1 Not found "
echo `ls -l $2` || echo "$2 Not found "

elif test $# -lt 2
then
echo "Pass 2 parameters"
else
echo "Pass 2 parameters only"
fi
```

#### OUTPUT:



The screenshot shows a terminal window titled "shreya@ubuntu: ~" with a dark purple background. The terminal displays the following commands and their outputs:

```
shreya@ubuntu:~$ sh command.sh test1.sh test2.sh
-rw-rw-r-- 1 shreya shreya 138 Oct 6 01:43 test1.sh
-rw-rw-r-- 1 shreya shreya 327 Oct 6 01:49 test2.sh
shreya@ubuntu:~$ sh command.sh test1.sh
Pass 2 parameters
shreya@ubuntu:~$ sh command.sh test1.sh test2.sh 3
Pass 2 parameters only
shreya@ubuntu:~$
```

The terminal window is part of a VMware Workstation 15 Player, as indicated by the title bar. The left sidebar shows various application icons, and the top bar displays the date and time as "Oct 6 02:35".