

1BM18CS100

06/10/2020

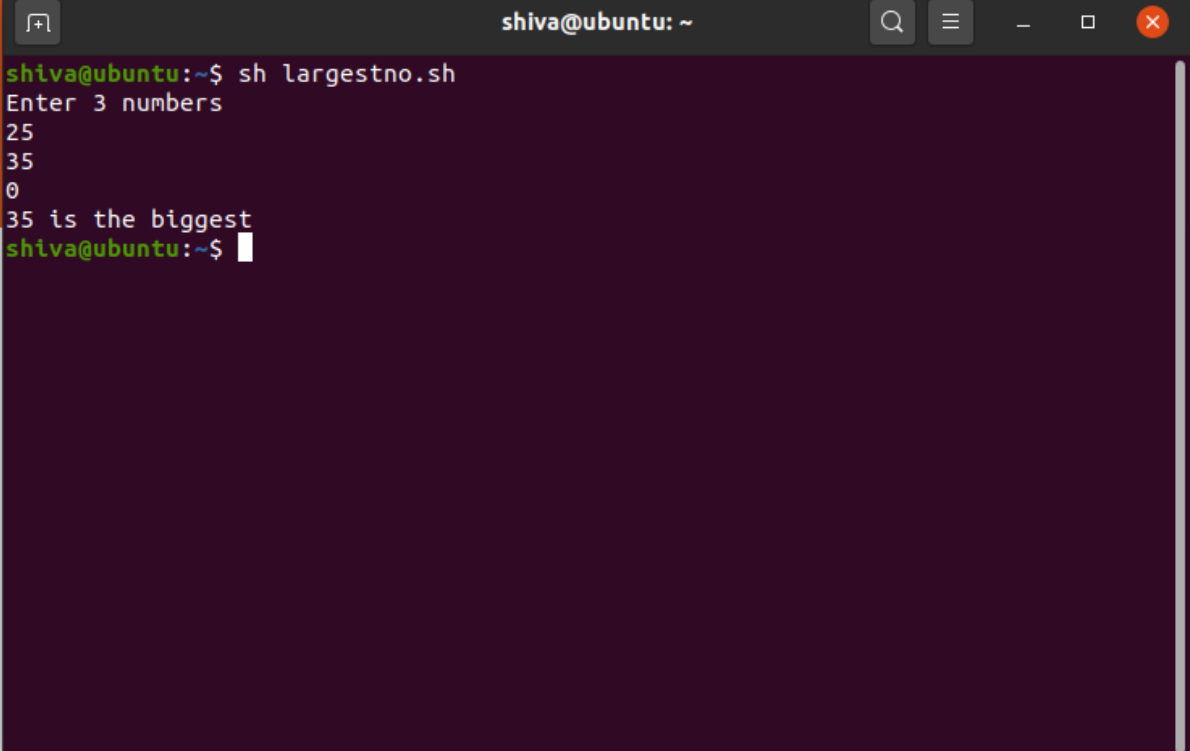
LAB1

Q1) Largest number:

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:

A terminal window titled "shiva@ubuntu: ~" with search, menu, and window control icons. The terminal shows the execution of a script named "largestno.sh". The prompt is "shiva@ubuntu:~\$". The script outputs "Enter 3 numbers". The user enters "25", "35", and "0" on separate lines. The script then outputs "35 is the biggest". The prompt returns to "shiva@ubuntu:~\$".

```
shiva@ubuntu:~$ sh largestno.sh
Enter 3 numbers
25
35
0
35 is the biggest
shiva@ubuntu:~$
```

Q2) To check if a given number is positive, negative or zero.

Code:

```
    echo "Enter a number"

read num

if [ $num -eq 0 ]
then
echo "The given number is zero"
elif [ $num -gt 0 ]
then
echo "The given number is positive"
else
echo "The given number is negative"
fi
```

OUTPUT:

A terminal window titled 'shiva@ubuntu: ~' with standard Ubuntu window controls. The terminal shows the execution of a script named 'numbers1.sh'. It prompts for a number and displays the result based on whether it is positive, negative, or zero. The user has tested with 25, -25, and 0.

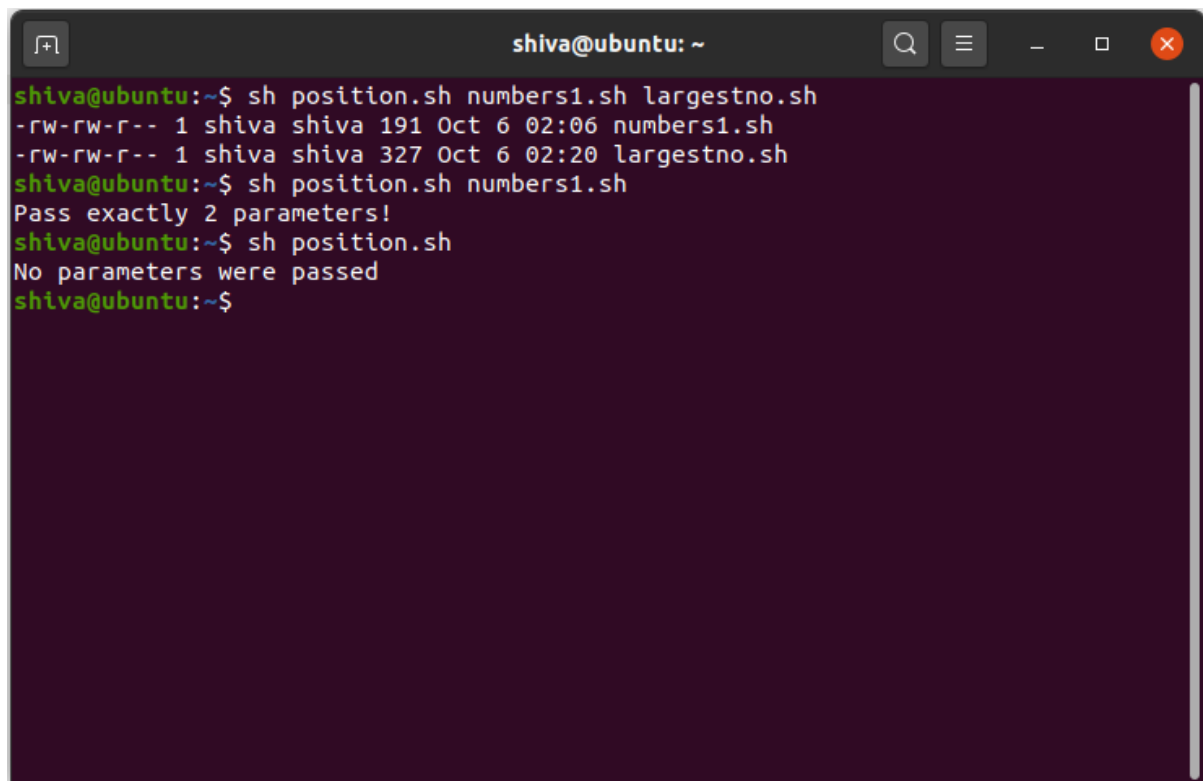
```
shiva@ubuntu:~$ sh numbers1.sh
Enter a number
25
The given number is positive
shiva@ubuntu:~$ sh numbers1.sh
Enter a number
-25
The given number is negative
shiva@ubuntu:~$ sh numbers1.sh
Enter a number
0
The given number is zero
shiva@ubuntu:~$
```

Q3) To check command line arguments:

Code:

```
if test $# -eq 0
then
echo "No parameters were passed"
elif test $# -eq 2
then
echo `ls -l $1` || echo "$1 Not found "
echo `ls -l $2` || echo "$2 Not found "
else
echo "Pass exactly 2 parameters!"
fi
```

OUTPUT:

A terminal window titled 'shiva@ubuntu: ~' with search, menu, and window control icons. It shows the execution of a shell script named 'position.sh'. The first command 'sh position.sh numbers1.sh largestno.sh' outputs file details for 'numbers1.sh' and 'largestno.sh'. The second command 'sh position.sh numbers1.sh' outputs 'Pass exactly 2 parameters!'. The third command 'sh position.sh' outputs 'No parameters were passed'.

```
shiva@ubuntu:~$ sh position.sh numbers1.sh largestno.sh
-rw-rw-r-- 1 shiva shiva 191 Oct 6 02:06 numbers1.sh
-rw-rw-r-- 1 shiva shiva 327 Oct 6 02:20 largestno.sh
shiva@ubuntu:~$ sh position.sh numbers1.sh
Pass exactly 2 parameters!
shiva@ubuntu:~$ sh position.sh
No parameters were passed
shiva@ubuntu:~$
```