

# Shell script

1. How to write a shell script that will add two nos, which are supplied as command line argument, and if this two nos are not given show error and its usage

Ans)

```
rohit@rohit-HP-Pavilion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q1.sh 2 3
5
rohit@rohit-HP-Pavilion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q1.sh 1
Error arguments can't be null.
The correct usage is either bash filename.sh arg1 arg2 or ./filename.sh arg1 arg2
```

Program

```
#!/bin/bash
#!/bin/bash

if [ -z "$1" ] || [ -z "$2" ]; then
    echo -e "Error arguments can't be null.\n\nThe correct usage is either bash filename.sh arg1 arg2\nor ./filename.sh arg1 arg2"
else
    let a=$1+$2
    echo $a
fi
```

2. Write script to print given number in reverse order

Ans)

```
rohit@rohit-HP-Pavilion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q2.sh
enter a number
23
32
```

program

```
#!/bin/bash
echo "enter a number"
read n
d=0
```

```
while [ $n -gt 0 ]
do
    d=$((d*10))
    d=$((d+ n % 10))
    n=$((n / 10))

done
echo $d
```

3. Write script to print nos as 5,4,3,2,1 using while loop

Ans)

```
rohit@rohit-HP-Pavilion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q3.sh
5
4
3
2
1
```

program

```
#!/bin/bash
i=5
while [ $i -ge 1 ]
do
    echo $i
    i=$((i-1))

done
```

done

4. A script to find the files within a given date range

Ans)

```
rohit@rohit-HP-Pavilion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q4.sh
enter starting range
1 nov 2020
enter ending range
5 nov 2020
q4.sh: line 8: -d: command not found
22416655 4 -rw-rw-r-- 1 rohit rohit 145 Nov 3 10:10 ./if.sh
22416653 4 -rw-rw-r-- 1 rohit rohit 94 Nov 3 09:51 ./pass.sh
22416660 4 -rw-rw-r-- 1 rohit rohit 228 Nov 4 19:39 ./q1.sh
22416664 0 -rw-rw-r-- 1 rohit rohit 0 Nov 4 21:42 ./0
22416649 4 -rw-rw-r-- 1 rohit rohit 348 Nov 3 11:04 ./arr.sh.save
22416654 4 -rw-rw-r-- 1 rohit rohit 33 Nov 3 09:54 ./cm.sh
22426142 4 -rw-rw-r-- 1 rohit rohit 30 Oct 27 09:45 ./hello.sh~
22416650 4 -rw-rw-r-- 1 rohit rohit 30 Nov 3 09:29 ./hello.sh
22416613 0 -rw-rw-r-- 1 rohit rohit 0 Nov 4 21:00 ./0]
22416657 4 -rw-rw-r-- 1 rohit rohit 290 Nov 3 11:02 ./arr.sh
22416652 4 -rw-rw-r-- 1 rohit rohit 63 Nov 3 09:45 ./name.sh
22416656 4 -rw-rw-r-- 1 rohit rohit 60 Nov 3 10:21 ./for.sh
```

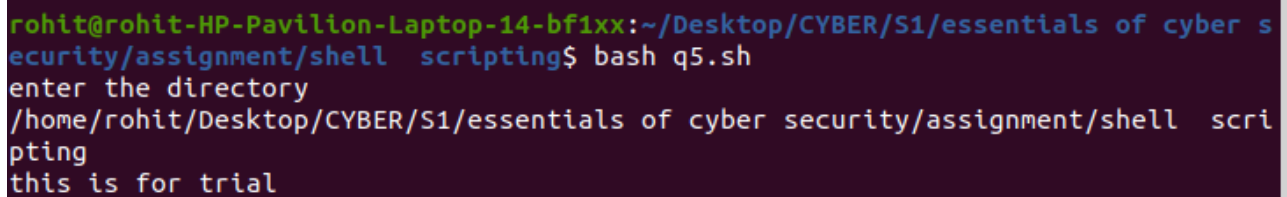
program

```
#!/bin/bash
echo enter starting range
read n
n=`date -d "$n"`

echo enter ending range
read v
v=`date -d "$v"`
find -newerct "$n" ! -newerct "$v" -ls
```

5. Print content of text files in a folder (read name of the folder from user)

Ans)

A terminal window with a dark purple background. The prompt is 'rohit@rohit-HP-Pavillion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting\$'. The user has entered 'bash q5.sh'. The script outputs 'enter the directory', followed by the user input '/home/rohit/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting', and finally the output 'this is for trial'.

```
rohit@rohit-HP-Pavillion-Laptop-14-bf1xx:~/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting$ bash q5.sh
enter the directory
/home/rohit/Desktop/CYBER/S1/essentials of cyber security/assignment/shell scripting
this is for trial
```

program

```
#!/bin/bash
echo enter the directory
read n

cd "$n" | cat *.txt
```