

<b>Experiment No.1.4</b>
Study the basics of shell programming using vi editor

**Student Name:- Neha Sharma**

**Branch:- CSE-IOT**

**Semester:- 3<sup>RD</sup>**

**Subject Name:- OS LAB**

**UID:- 20BCS4576**

**Section/Group:- A**

**Date of Performance:- 12/10/2021**

**Subject Code:- 20CSP-232**

**1. Aim/Overview of the practical:-** Study the basics of shell script in Linux using default text editor.

**2. Task to be done:-** Understand and execute basic commands of shell script.

**3. Apparatus(For applied/experimental sciences/materials based labs):-** PC with installed Linux distro like Ubuntu, Garuda Linux etc.

#### 4. Steps for experiment/practical:-

To create a shell script using the default text editor, just follow the steps given below.

**Step 1:-** Create a text file having a “.sh” extension. Then type a simple script.

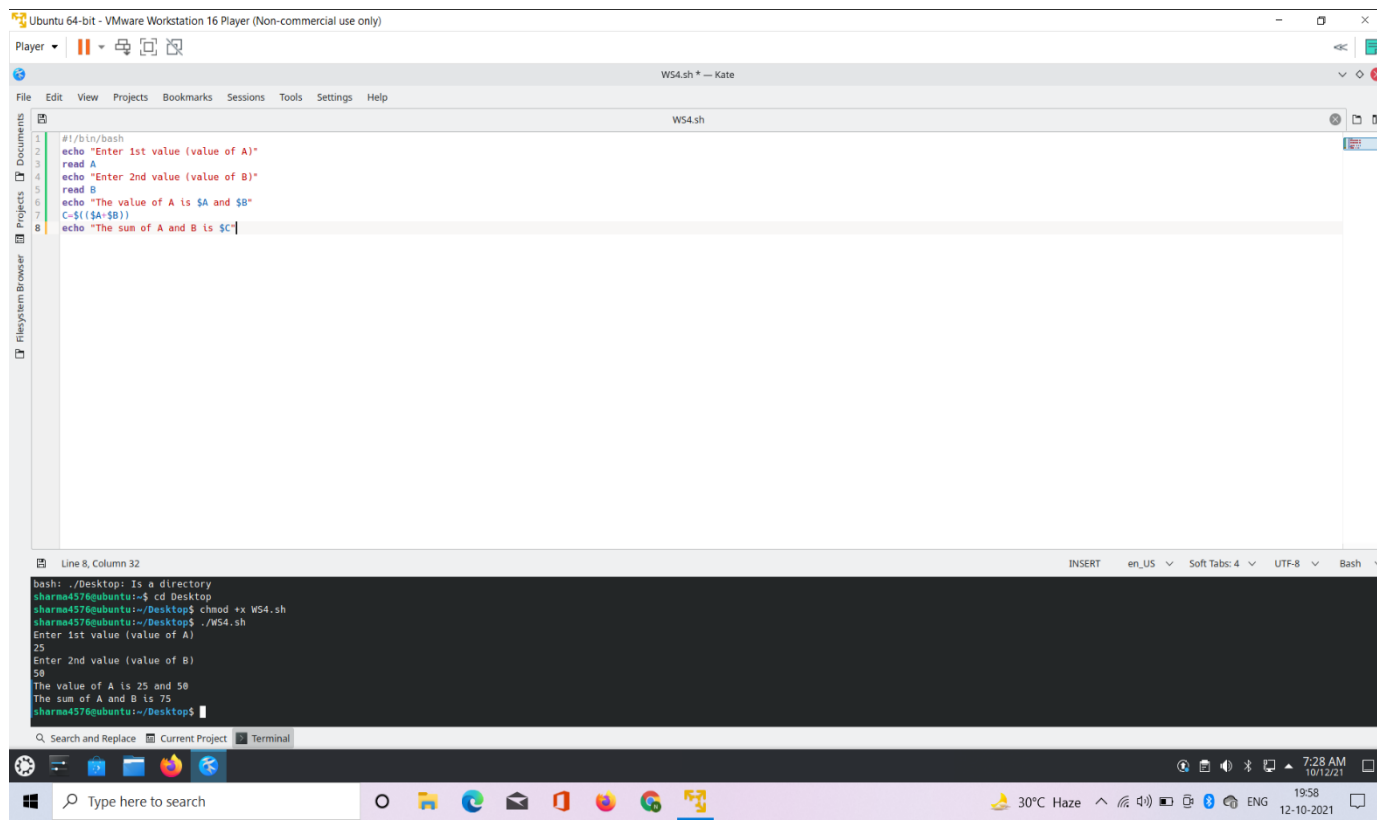
**Step 2:-** Now don't change the directory. And open the terminal. Using the command Below, given executable access to the file create.

**Chmod +x testing.sh**

**Step 3:-** Execute the below-given script in the terminal.

**./testing.sh**

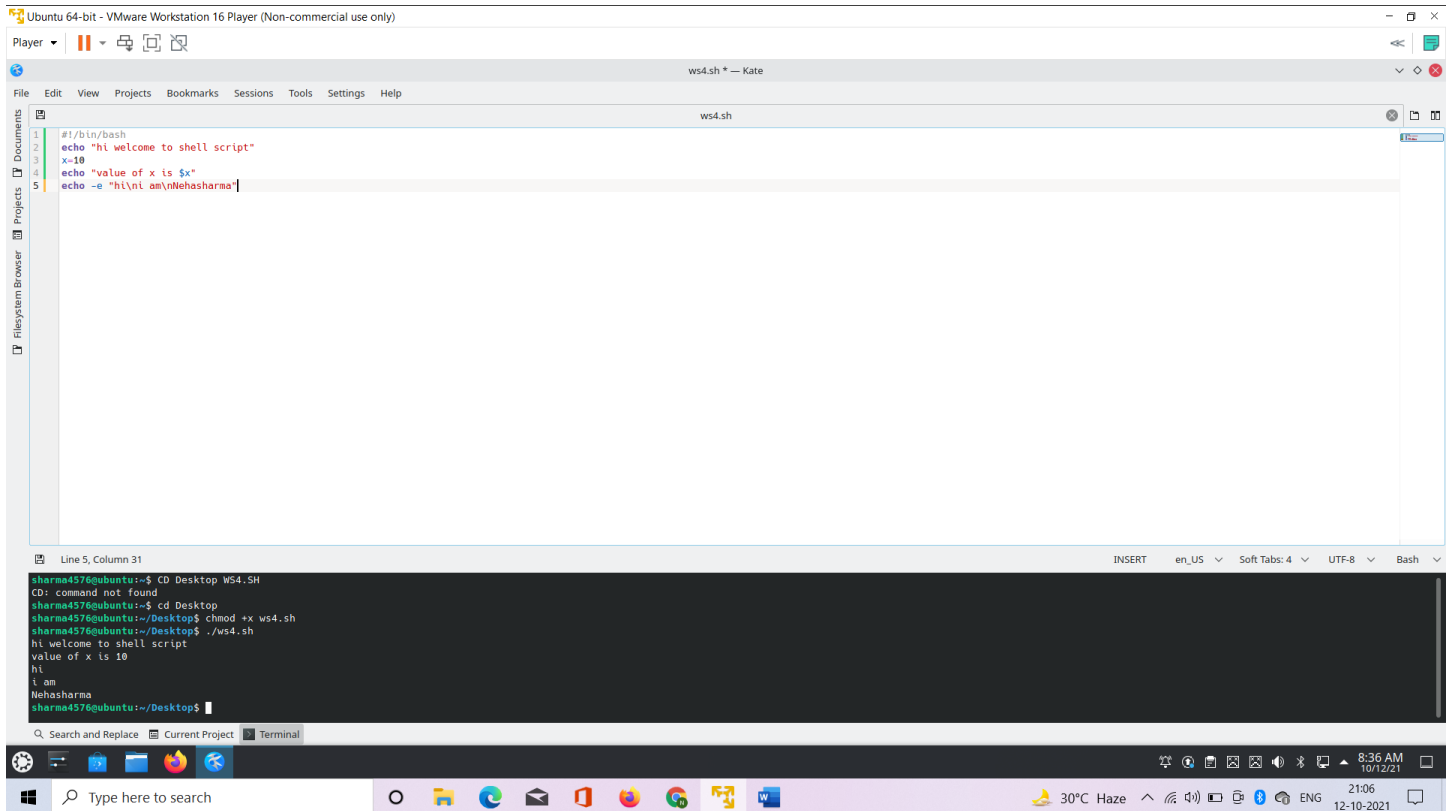
#### 1. Script to Add of two numbers



```
#!/bin/bash
echo "Enter 1st value (value of A)"
read A
echo "Enter 2nd value (value of B)"
read B
echo "The value of A is $A and $B"
C=$((A+B))
echo "The sum of A and B is $C"
```

```
bash: ./Desktop: Is a directory
sharma457@ubuntu:~$ cd Desktop
sharma457@ubuntu:~/Desktop$ chmod +x WS4.sh
sharma457@ubuntu:~/Desktop$ ./WS4.sh
Enter 1st value (value of A)
25
Enter 2nd value (value of B)
50
The value of A is 25 and 50
The sum of A and B is 75
sharma457@ubuntu:~/Desktop$
```

## 2. Chandigarh university to read value of x from .sh file



```
#!/bin/bash
echo "hi welcome to shell script"
x=10
echo "value of x is $x"
echo -e "hi\ ni an\ nNehasharma"
```

```
sharma4576@ubuntu:~$ cd Desktop WS4.SH
sharma4576@ubuntu:~$ cd Desktop
sharma4576@ubuntu:~/Desktop$ chmod +x ws4.sh
sharma4576@ubuntu:~/Desktop$ ./ws4.sh
hi welcome to shell script
value of x is 10
hi\
ni
an\
nNehasharma
sharma4576@ubuntu:~/Desktop$
```



Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

WS4.sh \* — Kate

```
#!/bin/bash
echo "Enter value of a"
read a
echo "Enter value of b"
read b
echo "Before swapping a=$a and b=$b"
temp=$a
a=$b
b=$temp
echo "After swapping a=$a and b=$b"
```

Line 10, Column 36

```
i am
Neha
sharma4576@ubuntu:~/Desktop$ chmod +x WS4.sh
sharma4576@ubuntu:~/Desktop$ ./WS4.sh
Enter value of a
8
Enter value of b
25
Before swapping a=8 and b=25
After swapping a=25 and b=8
sharma4576@ubuntu:~/Desktop$
```

7:39 AM 10/12/21

2009 12-10-2021

30°C Haze

egov

egov@cumail.in

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**Learning outcomes (What I have learnt):**

- 1. Learn about shell scripting using default text editor.**
- 2. Learn what is shell scripting and use of chmod command.**

**Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			