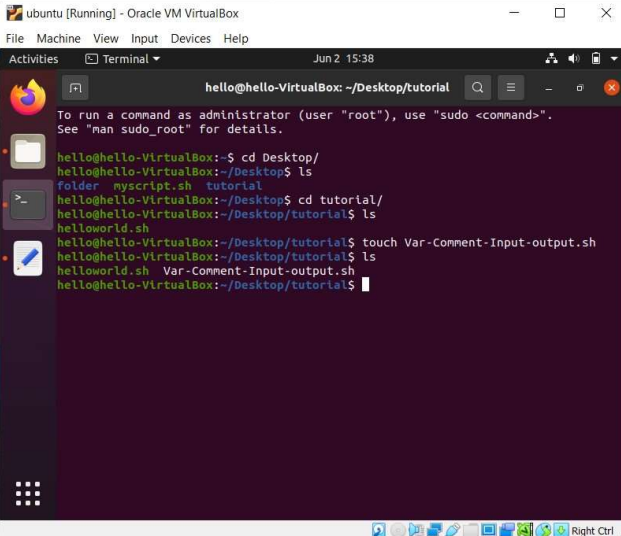


# Comment, Variables, Input & Output in Shell Scripting

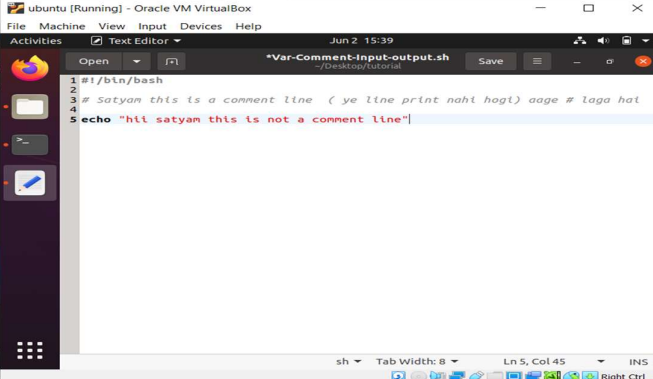
## Comment

→ Create a .sh file



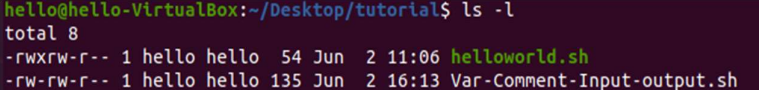
```
hello@hello-VirtualBox: ~/Desktop/tutorial
hello@hello-VirtualBox:~$ cd Desktop/
hello@hello-VirtualBox:~/Desktop$ ls
folder  myscript.sh  tutorial
hello@hello-VirtualBox:~/Desktop$ cd tutorial/
hello@hello-VirtualBox:~/Desktop/tutorial$ ls
helloworld.sh
hello@hello-VirtualBox:~/Desktop/tutorial$ touch Var-Comment-Input-output.sh
hello@hello-VirtualBox:~/Desktop/tutorial$ ls
helloworld.sh  Var-Comment-Input-output.sh
hello@hello-VirtualBox:~/Desktop/tutorial$
```

→ Open a .sh file and we write the comment and script in our file



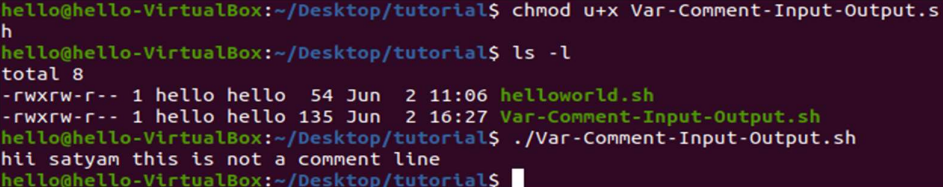
```
*Var-Comment-Input-output.sh
1 #!/bin/bash
2 # satyam this is a comment line ( ye line print nahi hogi) aage # laga hai
3
4
5 echo "hii satyam this is not a comment line"
```

→ We have not a permission to execute this file.



```
hello@hello-VirtualBox:~/Desktop/tutorial$ ls -l
total 8
-rwxrwxr-- 1 hello hello 54 Jun 2 11:06 helloworld.sh
-rw-rw-r-- 1 hello hello 135 Jun 2 16:13 Var-Comment-Input-output.sh
```

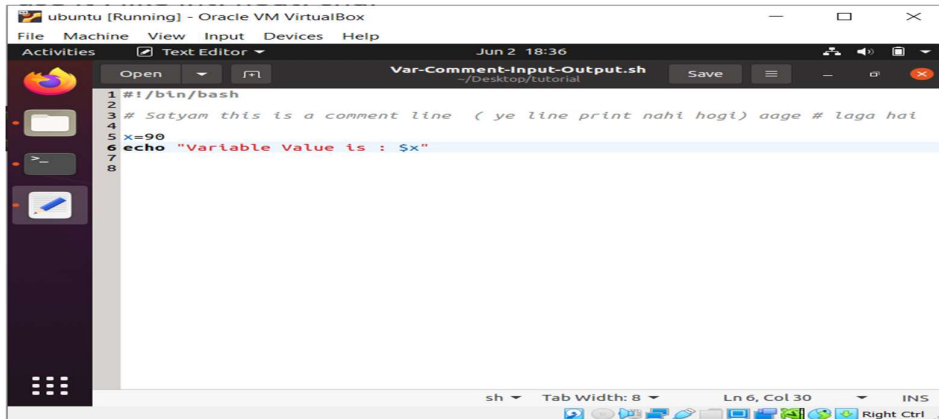
→ We use this command to got a permission & execute this file .



```
hello@hello-VirtualBox:~/Desktop/tutorial$ chmod u+x Var-Comment-Input-Output.s
h
hello@hello-VirtualBox:~/Desktop/tutorial$ ls -l
total 8
-rwxrwxr-- 1 hello hello 54 Jun 2 11:06 helloworld.sh
-rwxrwxr-- 1 hello hello 135 Jun 2 16:27 Var-Comment-Input-Output.sh
hello@hello-VirtualBox:~/Desktop/tutorial$ ./Var-Comment-Input-Output.sh
hii satyam this is not a comment line
hello@hello-VirtualBox:~/Desktop/tutorial$
```

## Variables

- In linux shell script we don't need to define which type of variable we use it , like int, float, char
- In Shell Script we not give any type of space when we declare var

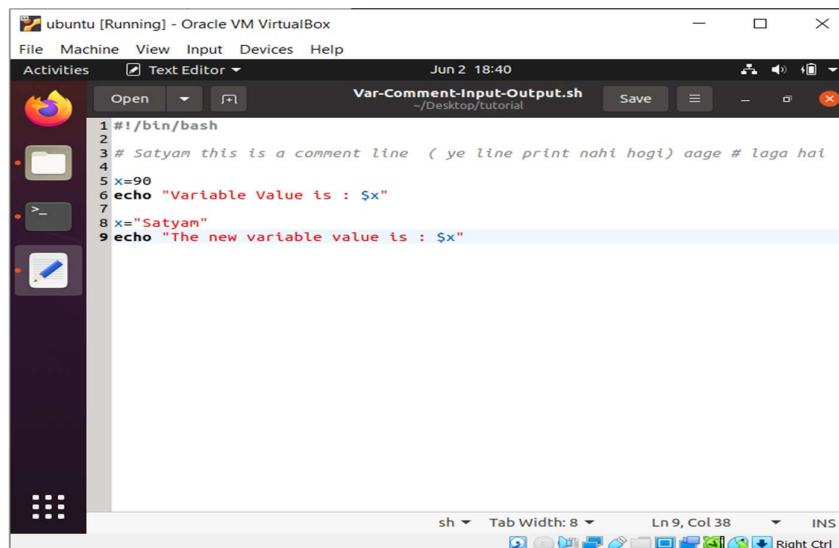


```
1#!/bin/bash
2
3# Satyam this is a comment line ( ye line print nahi hogi) aage # laga hai
4
5x=90
6echo "Variable Value is : $x"
7
8
```

→ Check file status

```
hello@hello-VirtualBox:~/Desktop/tutorial$ ./Var-Comment-Input-Output.sh
Variable Value is : 90
hello@hello-VirtualBox:~/Desktop/tutorial$
```

→ If we want to change variable value we change like this way:-



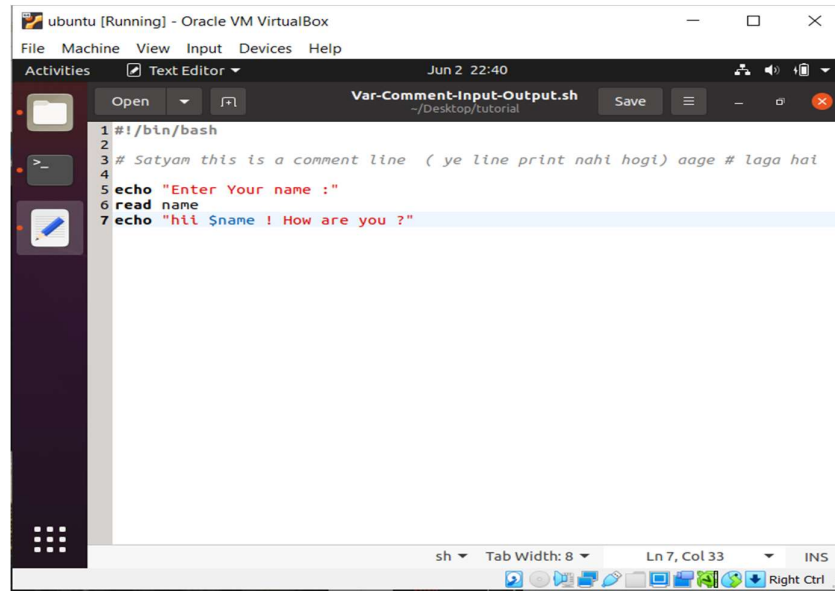
```
1#!/bin/bash
2
3# Satyam this is a comment line ( ye line print nahi hogi) aage # laga hai
4
5x=90
6echo "Variable Value is : $x"
7
8x="Satyam"
9echo "The new variable value is : $x"
```

→ Check file status

```
hello@hello-VirtualBox:~/Desktop/tutorial$ ./Var-Comment-Input-Output.sh
Variable Value is : 90
The new variable value is : Satyam
hello@hello-VirtualBox:~/Desktop/tutorial$
```

## User's Input

→ If I want ask to user to fill details so we write this script



The screenshot shows a text editor window titled 'Var-Comment-Input-Output.sh' with the following content:

```
1#!/bin/bash
2
3# Satyam this is a comment line ( ye line print nahi hogi) aage # laga hai
4
5echo "Enter Your name : "
6read name
7echo "hii $name ! How are you ?"
```

→ Check file Status

```
hello@hello-VirtualBox:~/Desktop/tutorial$ ./Var-Comment-Input-Output.sh
Enter Your name :
Satyam
hii Satyam ! How are you ?
hello@hello-VirtualBox:~/Desktop/tutorial$
```