

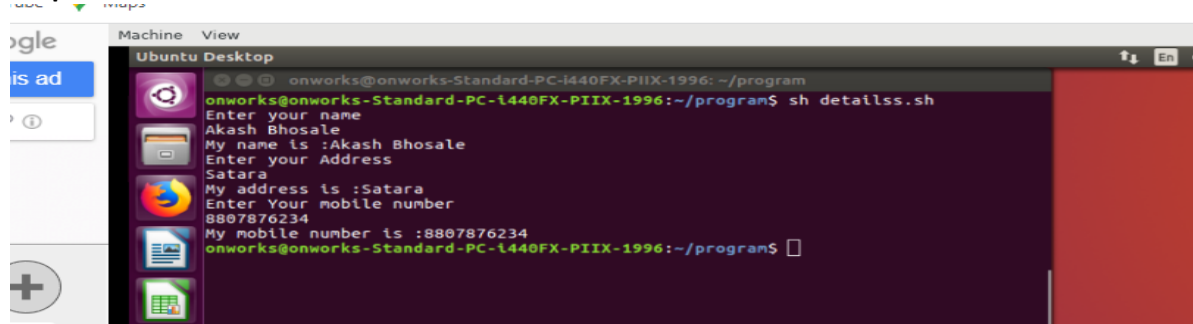
Assignment No :- 10

1..Linux shell script program to create and print the value of variable.

Solution:-

```
echo "Enter your name"
read name
echo "My name is :$name"
echo "Enter your Address"
read Addr
echo "My address is :$Addr"
echo "Enter Your mobile number"
read mobno
echo "My mobile number is :$mobno"
```

Output:-



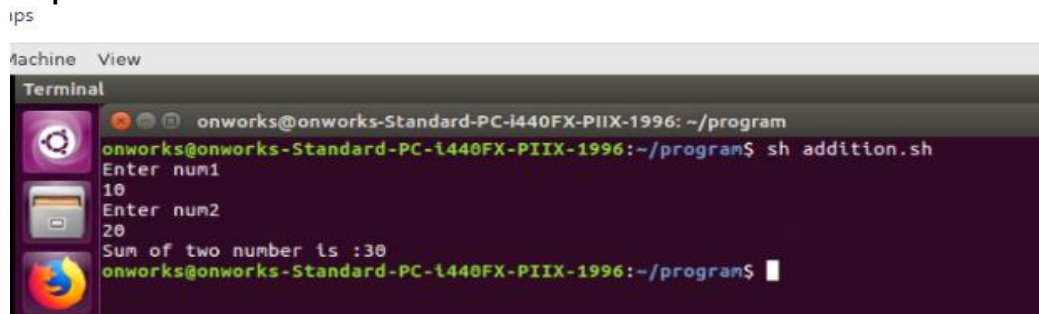
```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh detailss.sh
Enter your name
Akash Bhosale
My name is :Akash Bhosale
Enter your Address
Satara
My address is :Satara
Enter Your mobile number
8807876234
My mobile number is :8807876234
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

2. Linux shell script program to add two numbers.

Solution:-

```
echo "Enter num1"
read a
echo "Enter num2"
read b
sum=$((a+b))
echo "Sum of two number is :$sum"
```

Output:-



```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh addition.sh
Enter num1
10
Enter num2
20
Sum of two number is :30
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

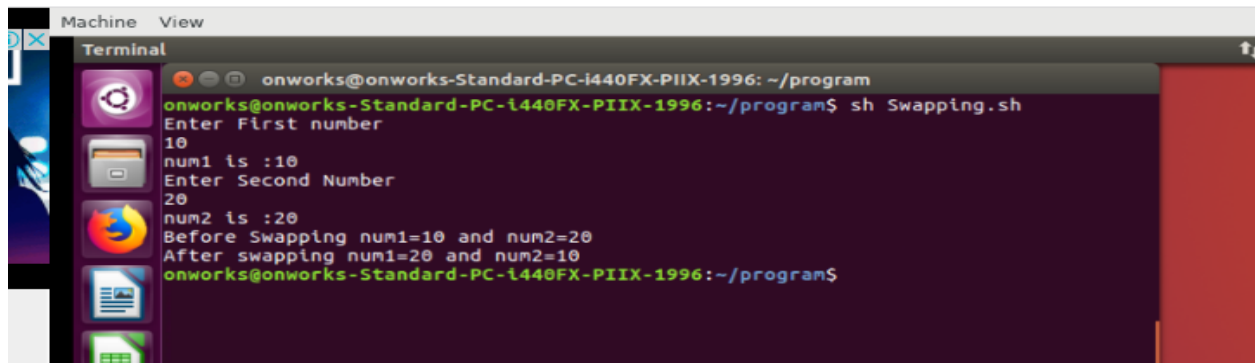
3..Linux shell script program to swap two number

Solution:-

```
echo "Enter First number"
```

```
read a
echo "num1 is :$a"
echo "Enter Second Number"
read b
echo "num2 is :$b"
echo "Before Swapping num1=$a and num2=$b"
temp=$a
a=$b
b=$temp
echo "After swapping num1=$a and num2=$b"
```

Output:-

A terminal window titled "Terminal" with a menu bar showing "Machine" and "View". The prompt is "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program". The user runs "sh Swapping.sh". The script prompts for "Enter First number" (10) and "Enter Second Number" (20). It then displays: "num1 is :10", "num2 is :20", "Before Swapping num1=10 and num2=20", and "After swapping num1=20 and num2=10". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program\$".

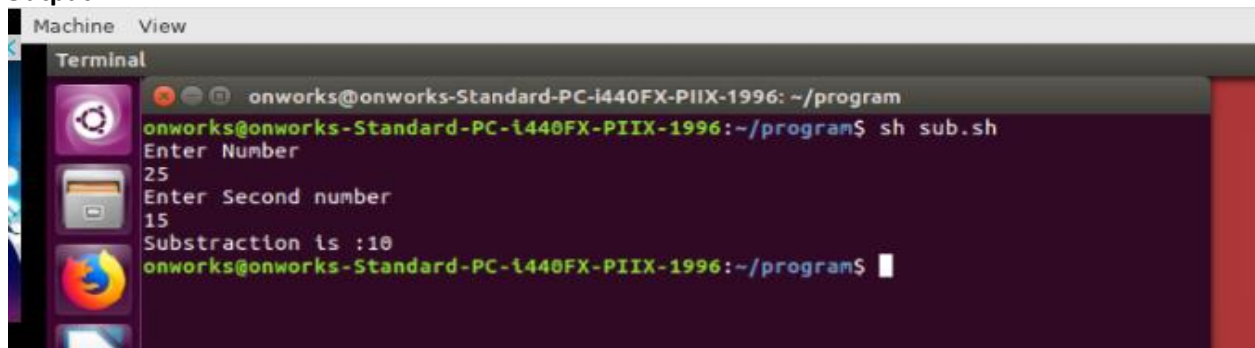
```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh Swapping.sh
Enter First number
10
num1 is :10
Enter Second Number
20
num2 is :20
Before Swapping num1=10 and num2=20
After swapping num1=20 and num2=10
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

4..Linux shell script program to read two integer and print the subtraction of both variable.

Solution:-

```
echo "Enter Number"
read num1
echo "Enter Second number"
read num2
sub=$((num1-$num2))
echo "Substraction is :$sub"
```

Output:

A terminal window titled "Terminal" with a menu bar showing "Machine" and "View". The prompt is "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program". The user runs "sh sub.sh". The script prompts for "Enter Number" (25) and "Enter Second number" (15). It then displays "Substraction is :10". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program\$".

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh sub.sh
Enter Number
25
Enter Second number
15
Substraction is :10
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

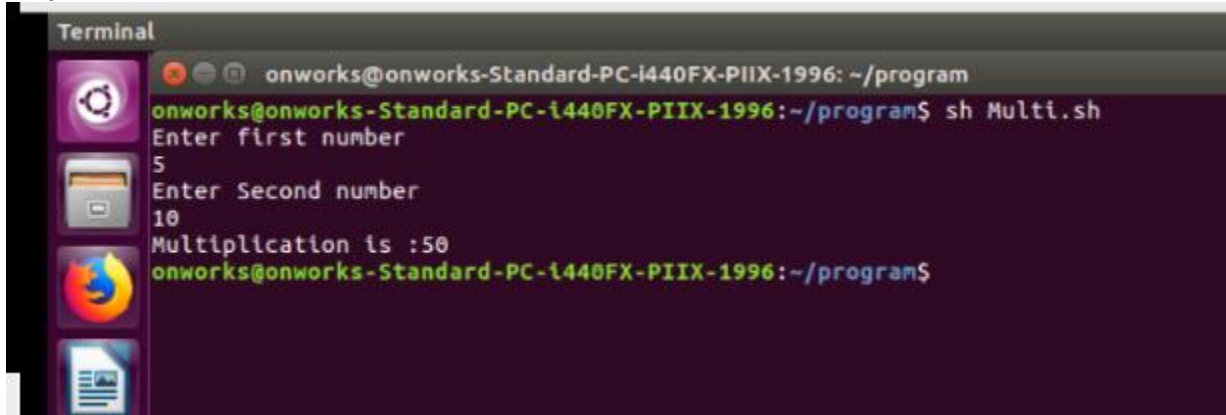
5..Linux shell script program to multiply two number.

Solution:

```
echo "Enter first number"
```

```
read num1
echo "Enter second number"
read num2
mul=$((num1*$num2))
echo "Multiplication is :$mul"
```

Output:



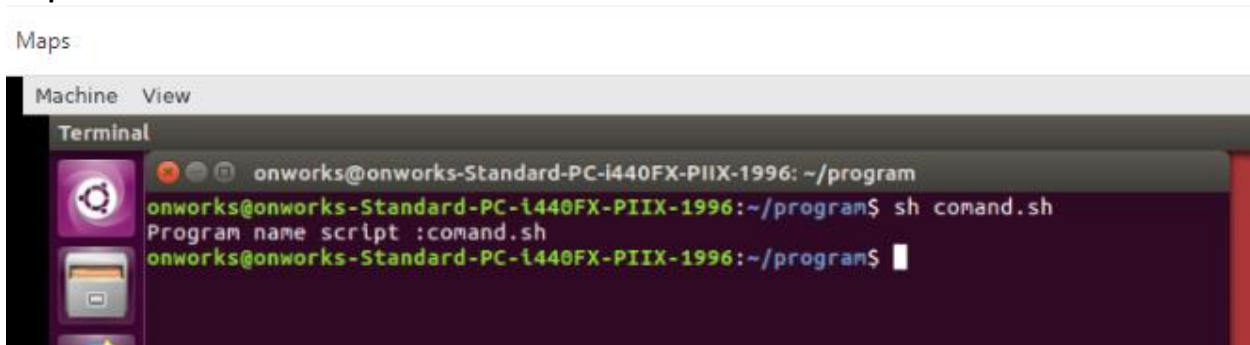
```
Terminal
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh Multi.sh
Enter first number
5
Enter Second number
10
Multiplication is :50
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

6..Linux shell script program to print program name using command line argument.

Solution:

```
echo "Program name script :$0"
```

Output:



```
Machine View
Terminal
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh comand.sh
Program name script :comand.sh
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

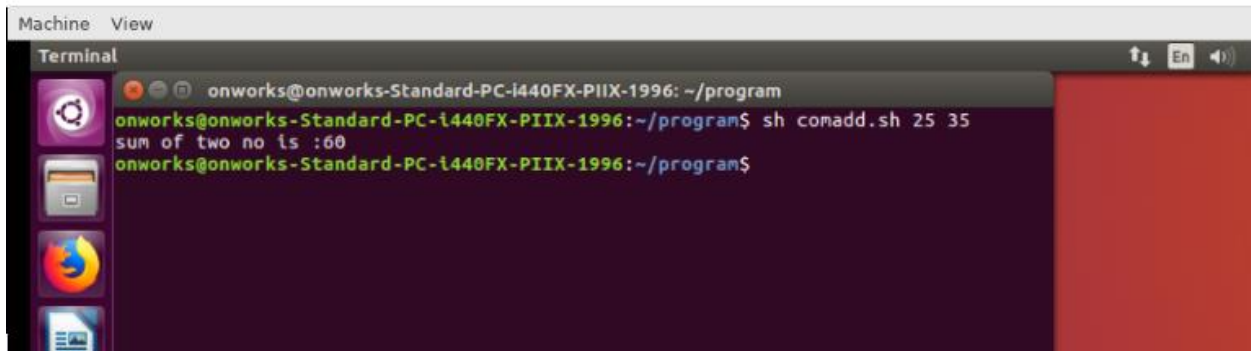
7..Linux shell script program to add two number using command line argument.

Solution:

```
sum=$(( $1+$2 ))
echo "Sum of two no is :$sum"
```

Output:

Maps

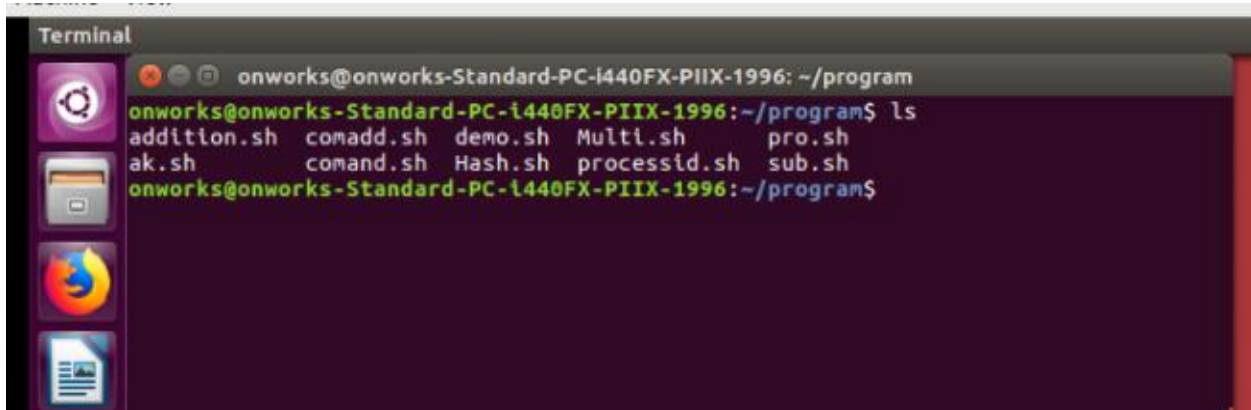


A terminal window titled "Terminal" with a menu bar showing "Machine" and "View". The terminal shows a user prompt "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program". The user enters the command "sh comadd.sh 25 35". The output is "sum of two no is :60". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program\$". On the left side of the terminal, there is a vertical dock with icons for a gear, a folder, a Firefox browser, and a document.

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh comadd.sh 25 35
sum of two no is :60
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

8..Linux shell script program to execute 'ls' comamnd..

Solution:



A terminal window titled "Terminal" with a menu bar showing "Machine" and "View". The terminal shows a user prompt "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program". The user enters the command "ls". The output is a list of files: "addition.sh", "comadd.sh", "demo.sh", "Multi.sh", "pro.sh", "ak.sh", "comand.sh", "Hash.sh", "processid.sh", and "sub.sh". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program\$". On the left side of the terminal, there is a vertical dock with icons for a gear, a folder, a Firefox browser, and a document.

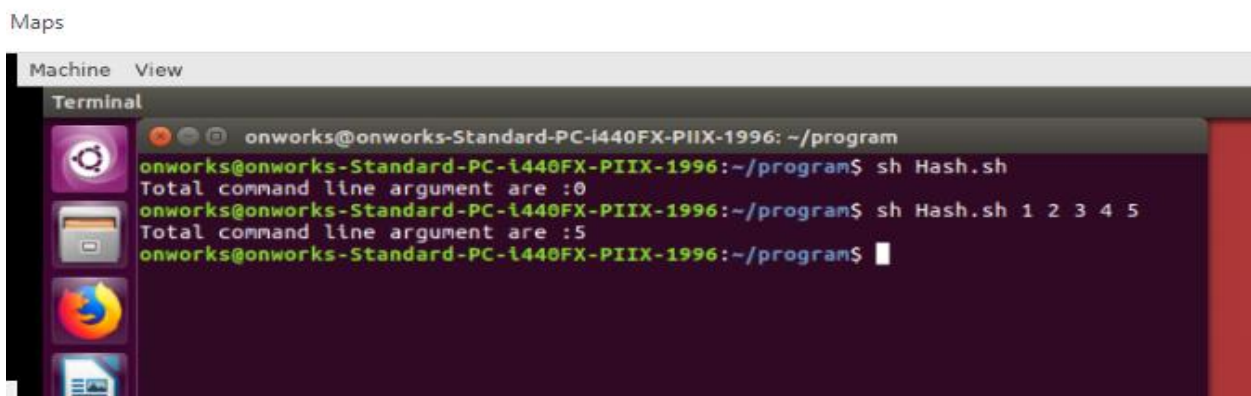
```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ ls
addition.sh  comadd.sh  demo.sh  Multi.sh  pro.sh
ak.sh        comand.sh  Hash.sh  processid.sh  sub.sh
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

9..Linux shell script program to demostrate '\$#' variable

Solution:

echo "Total command line argument are :\$#"

Output:



A terminal window titled "Terminal" with a menu bar showing "Machine" and "View". The terminal shows a user prompt "onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program". The user enters the command "sh Hash.sh". The output is "Total command line argument are :0". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program\$". The user enters the command "sh Hash.sh 1 2 3 4 5". The output is "Total command line argument are :5". The prompt returns to "onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program\$". On the left side of the terminal, there is a vertical dock with icons for a gear, a folder, a Firefox browser, and a document.

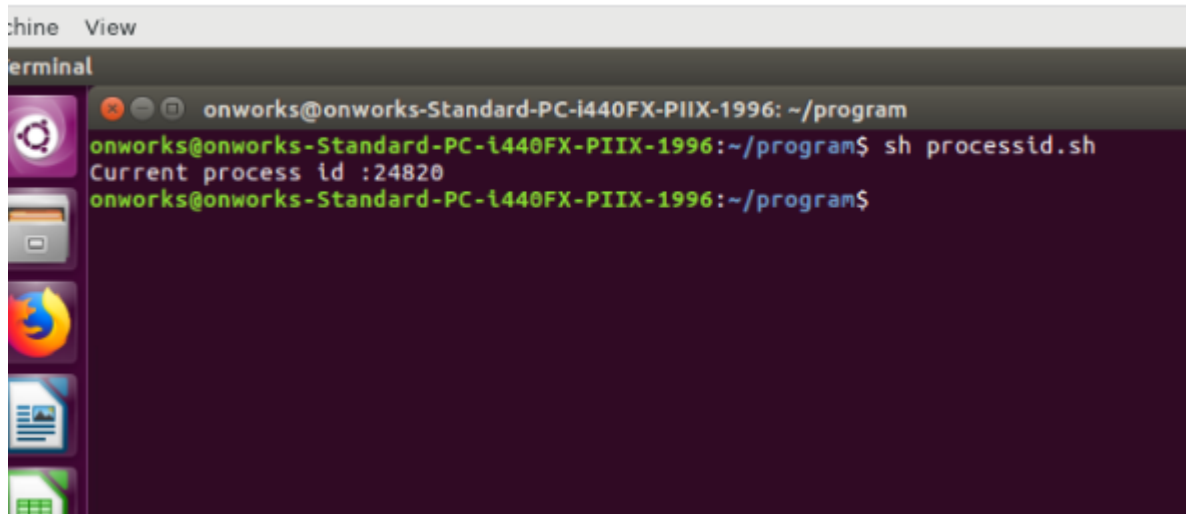
```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh Hash.sh
Total command line argument are :0
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh Hash.sh 1 2 3 4 5
Total command line argument are :5
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```

10. Linux shell script program to print the current process id.

Solution:

```
echo "Current process id:$$"
```

Output:



```
Machine View
terminal
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/program
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$ sh processid.sh
Current process id :24820
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/program$
```