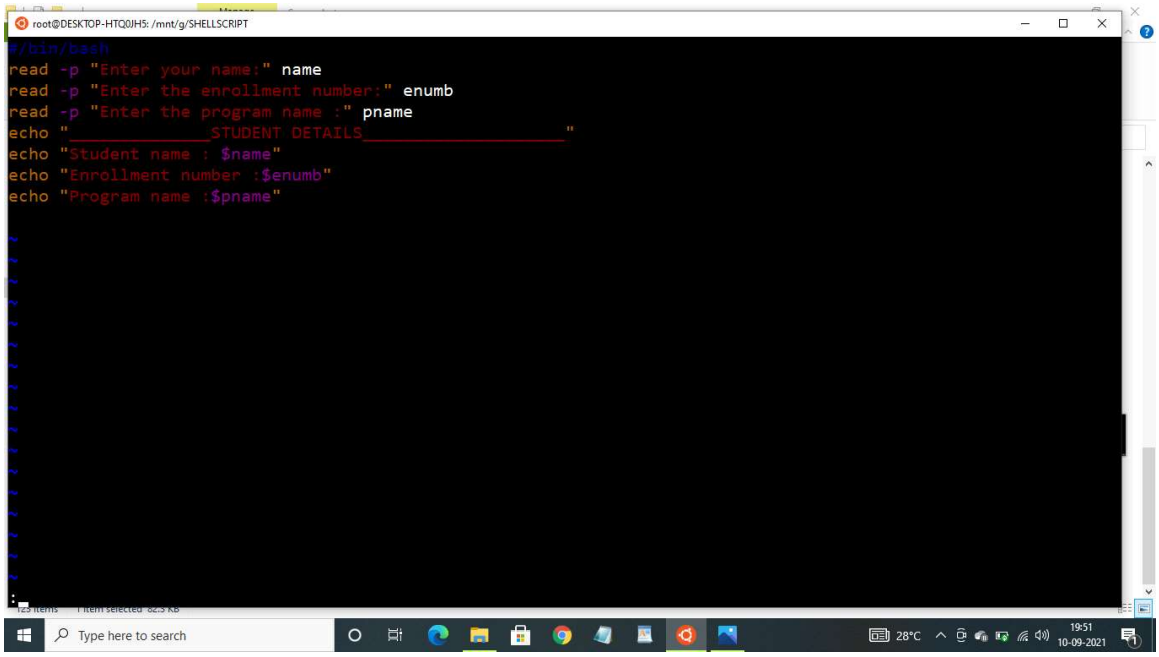
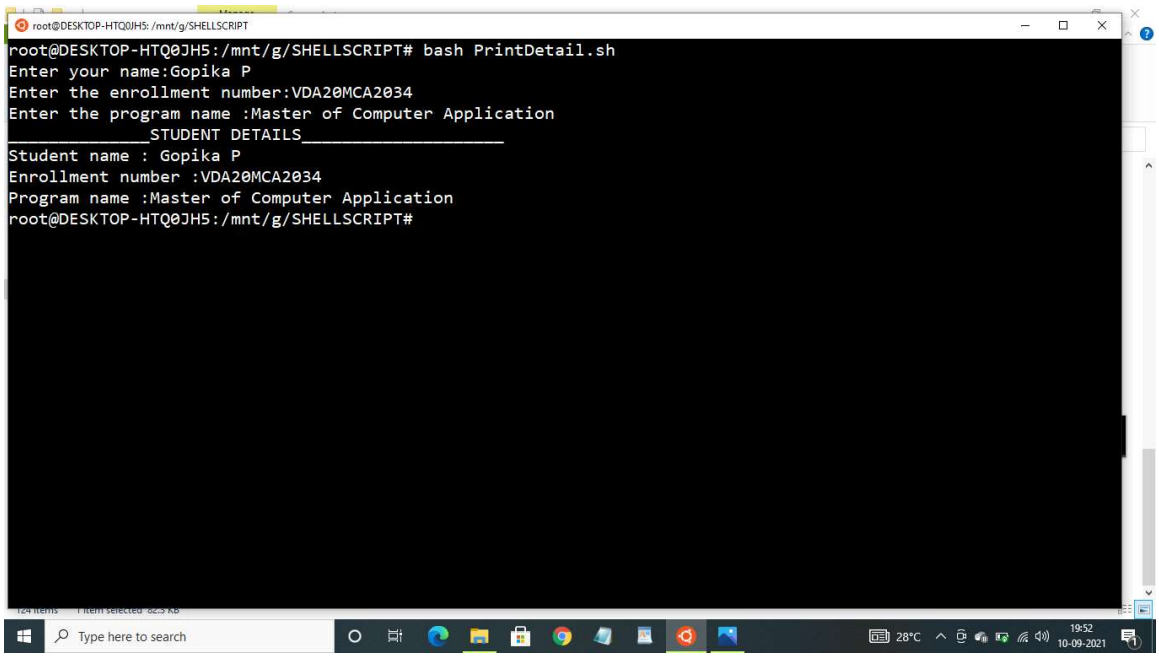
EXPERIMENT NO :

AIM :: **PROGRAMS ON SHELL SCRIPT**

- Write a shell script to ask your name,program name and enrollment number and print it on the screen.

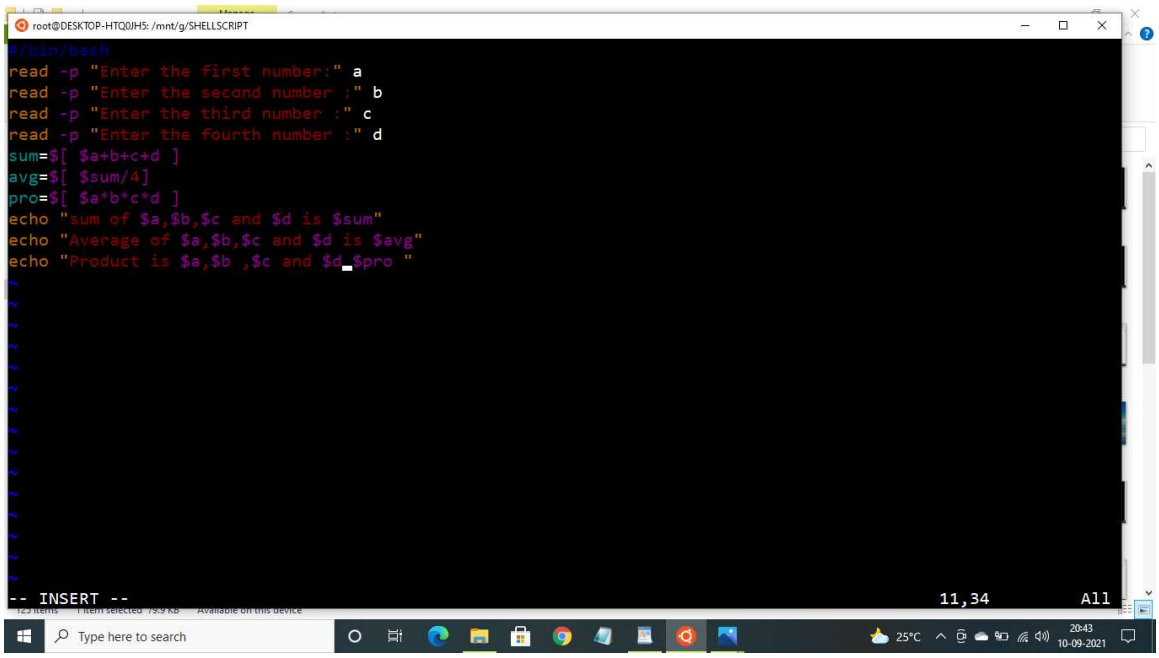
  Source Code & OP:

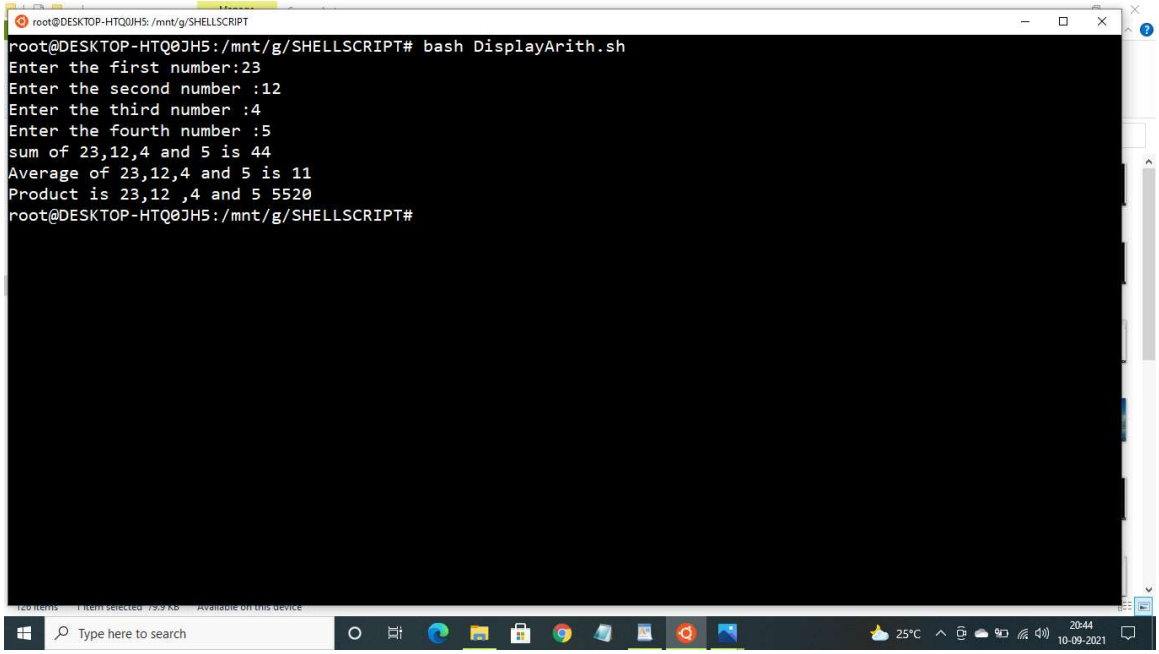




- Write a shell script to find the sum ,average and product of four numbers entered.

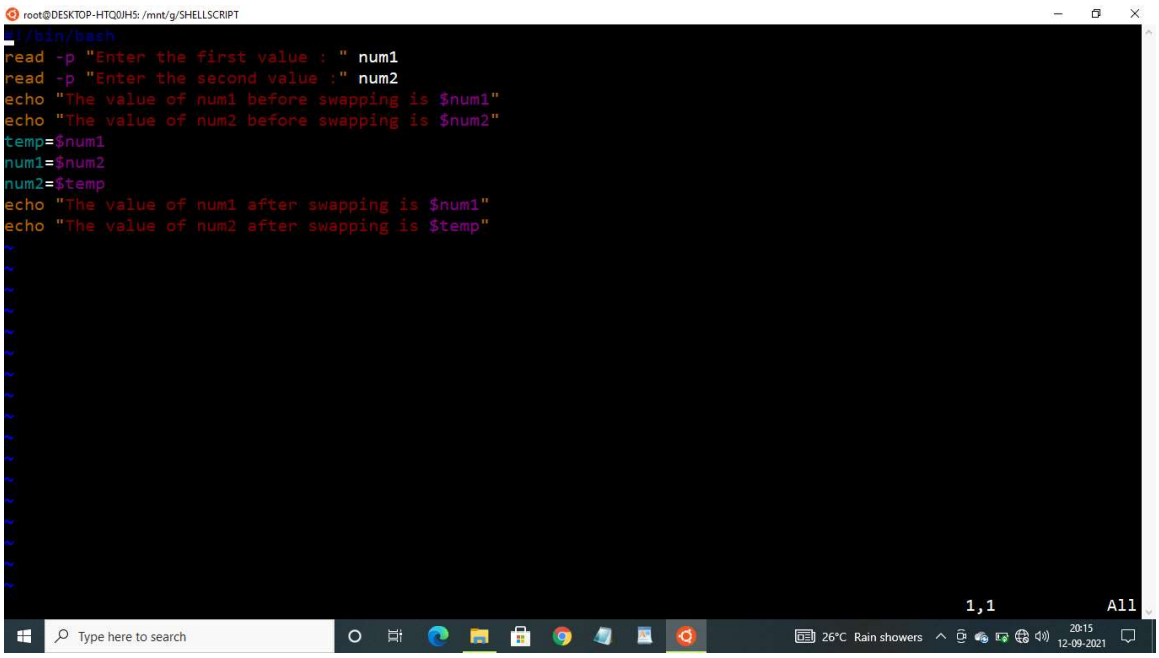
Source Code & OP:

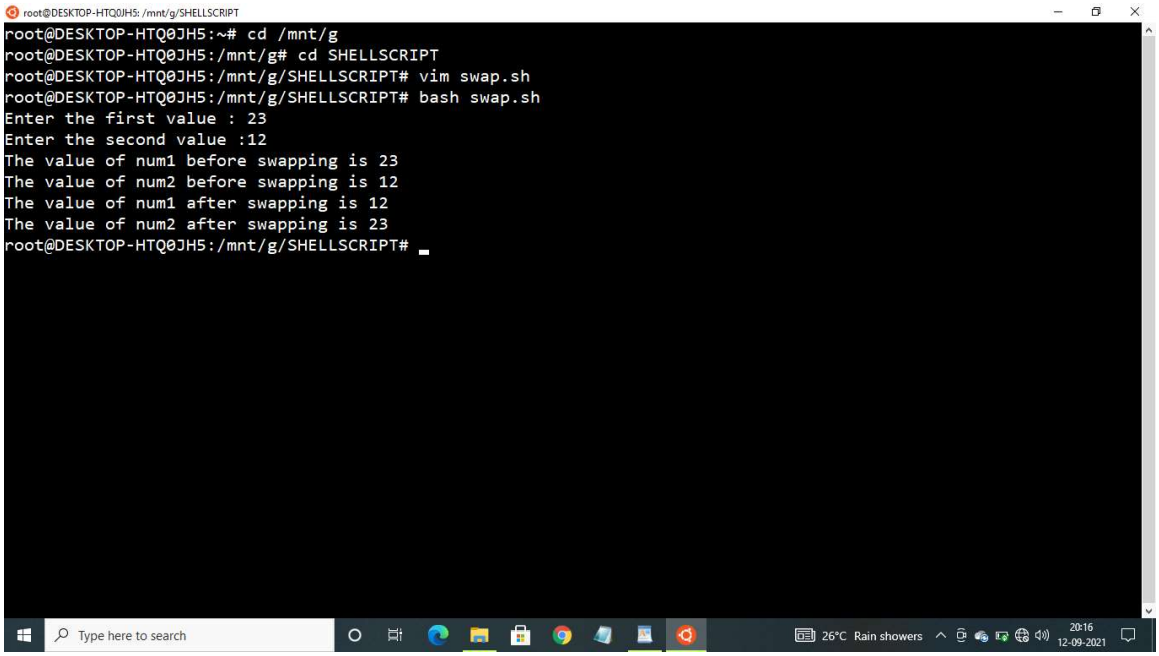




- Write a shell script to exchange the values of two variables.

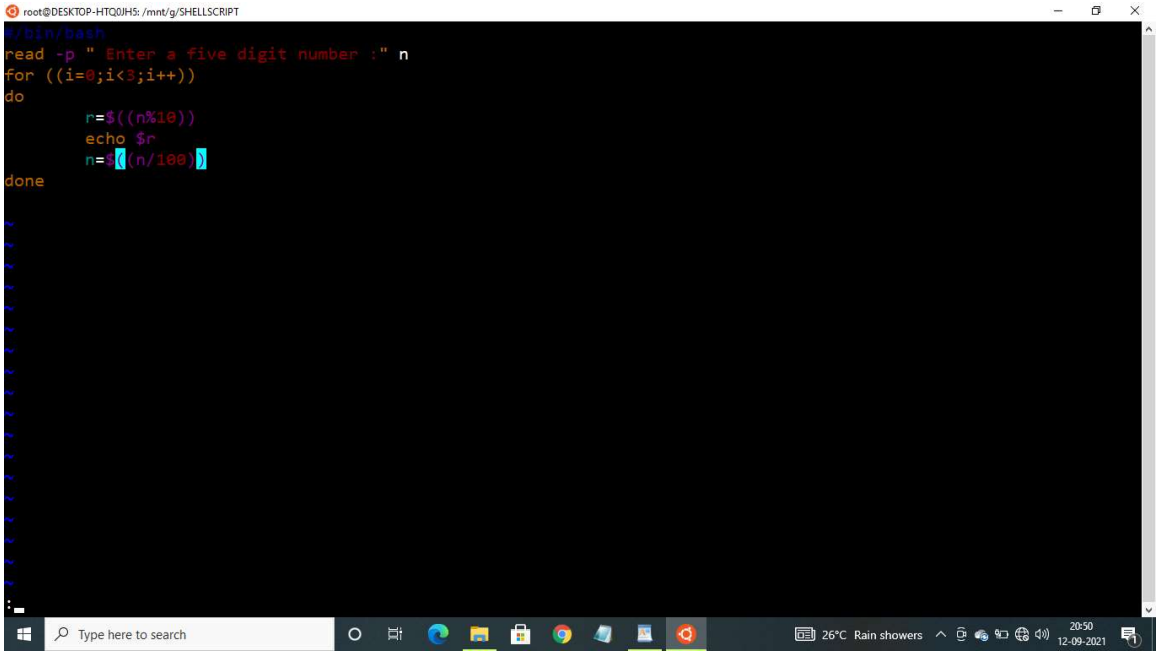
Source Code & OP:


root@DESKTOP-HTQ0JH5: /mnt/g/SHELLSCRIPT
#!/bin/bash
read -p "Enter the first value : " num1
read -p "Enter the second value :" num2
echo "The value of num1 before swapping is $num1"
echo "The value of num2 before swapping is $num2"
temp=$num1
num1=$num2
num2=$temp
echo "The value of num1 after swapping is $num1"
echo "The value of num2 after swapping is $temp"
1,1 All
Type here to search
26°C Rain showers
20:15
12-09-2021


root@DESKTOP-HTQ0JH5: /mnt/g/SHELLSCRIPT
root@DESKTOP-HTQ0JH5:~# cd /mnt/g
root@DESKTOP-HTQ0JH5:/mnt/g# cd SHELLSCRIPT
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT# vim swap.sh
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT# bash swap.sh
Enter the first value : 23
Enter the second value :12
The value of num1 before swapping is 23
The value of num2 before swapping is 12
The value of num1 after swapping is 12
The value of num2 after swapping is 23
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT#
Type here to search
26°C Rain showers
20:16
12-09-2021

- Write a shell script to display the digits which are in the odd position in a given 5 digit number.

Source Code & OP:

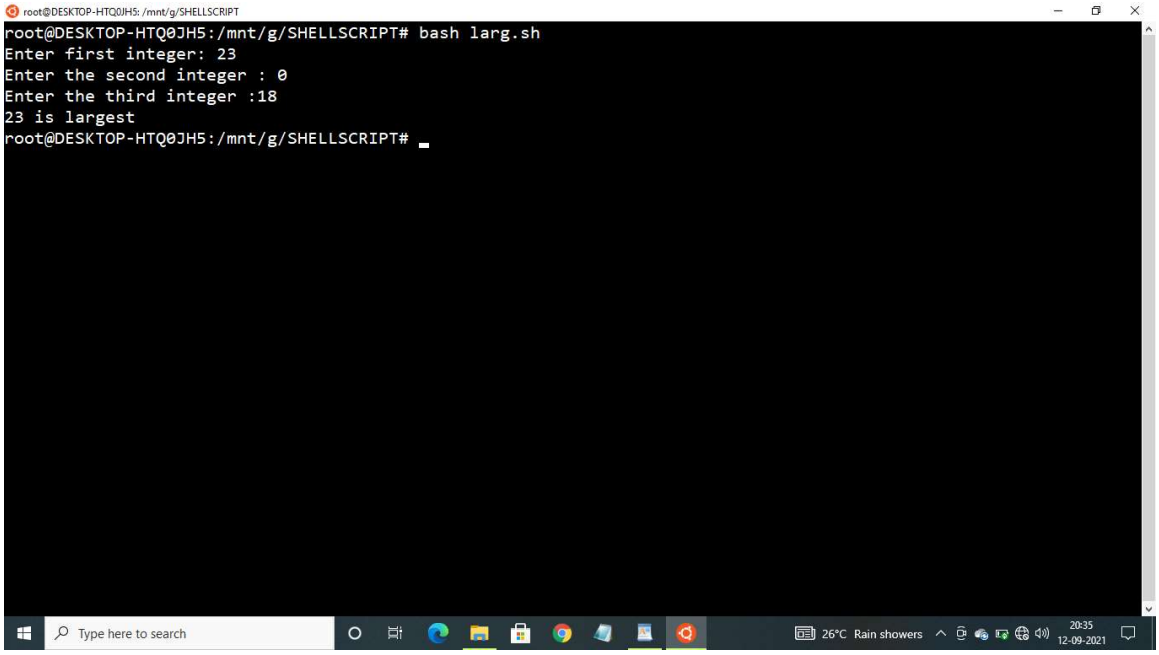


```
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT# vim oddpos.sh
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT# bash oddpos.sh
Enter a five digit number :
23456
6
4
2
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT#
```

- Write a shell script to find the largest among the 3 given numbers.

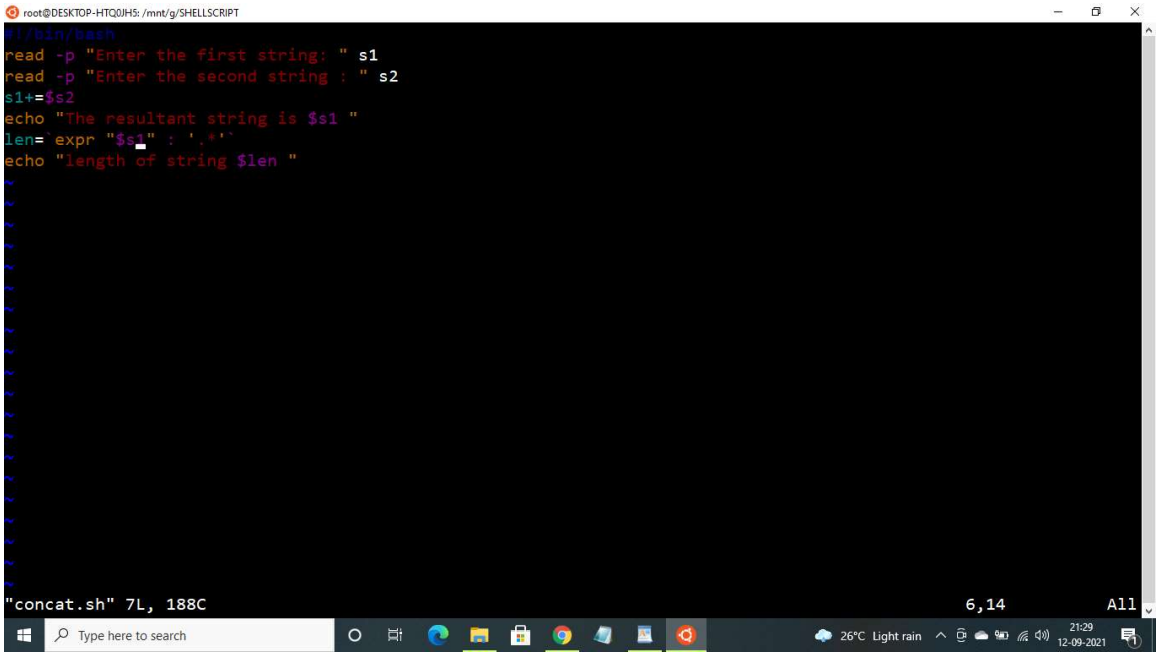
Source Code & OP:

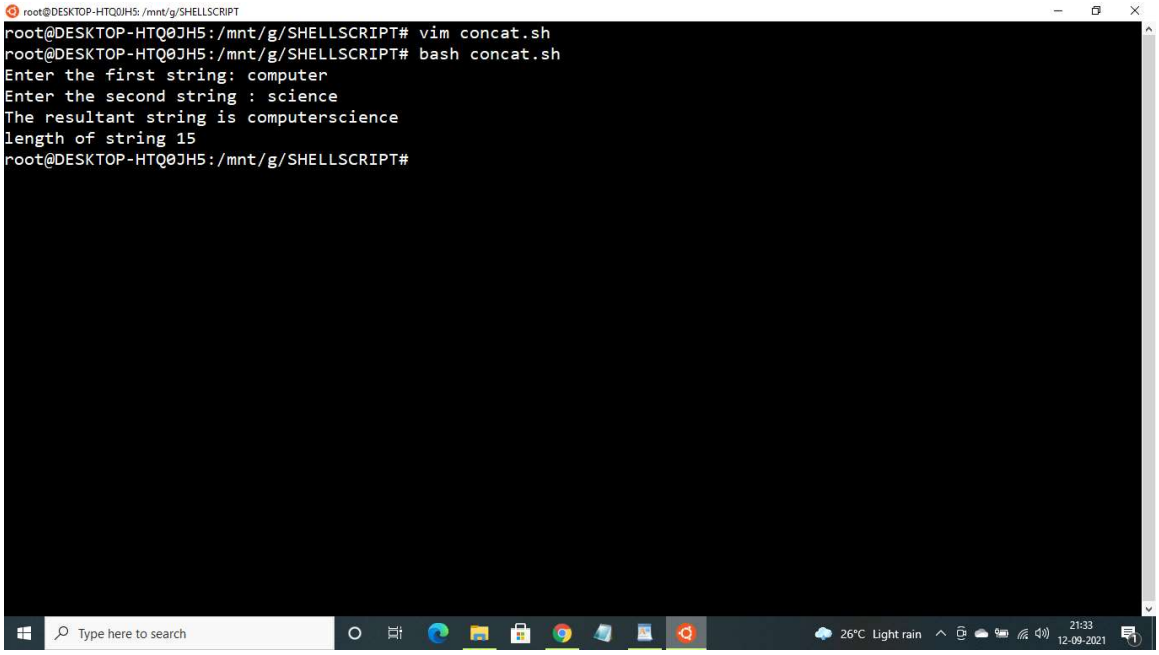
```
root@DESKTOP-HTQ0JH5: /mnt/g/SHELLSCRIPT
#!/bin/bash
read -p "Enter first integer: " a
read -p "Enter the second integer : " b
read -p "Enter the third integer :" c
if [ $a -gt $b -a $a -gt $c ]
then
echo "$a is largest"
elif [ $b -gt $a -a $b -gt $c ]
then
echo "$b is largest"
else
echo "$c is largest"
fi
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"larg.sh" 13L, 267C                                    4,37          All
```



- Write a shell program to concatenate two strings and find the length of the resultant string.

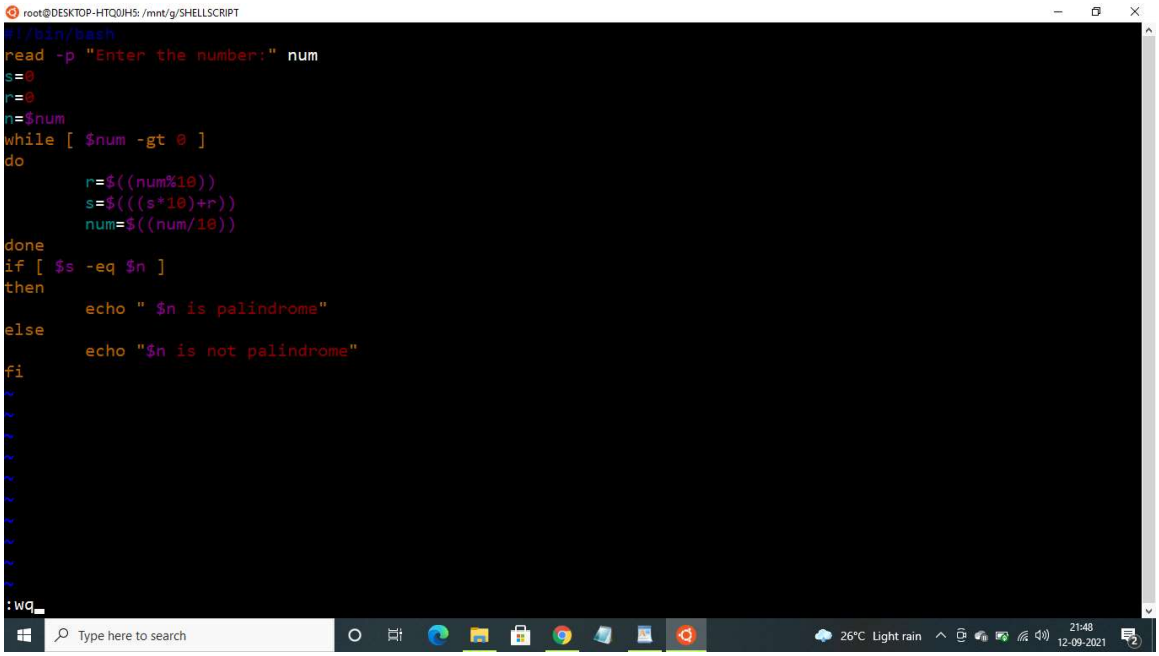
Source Code & OP:

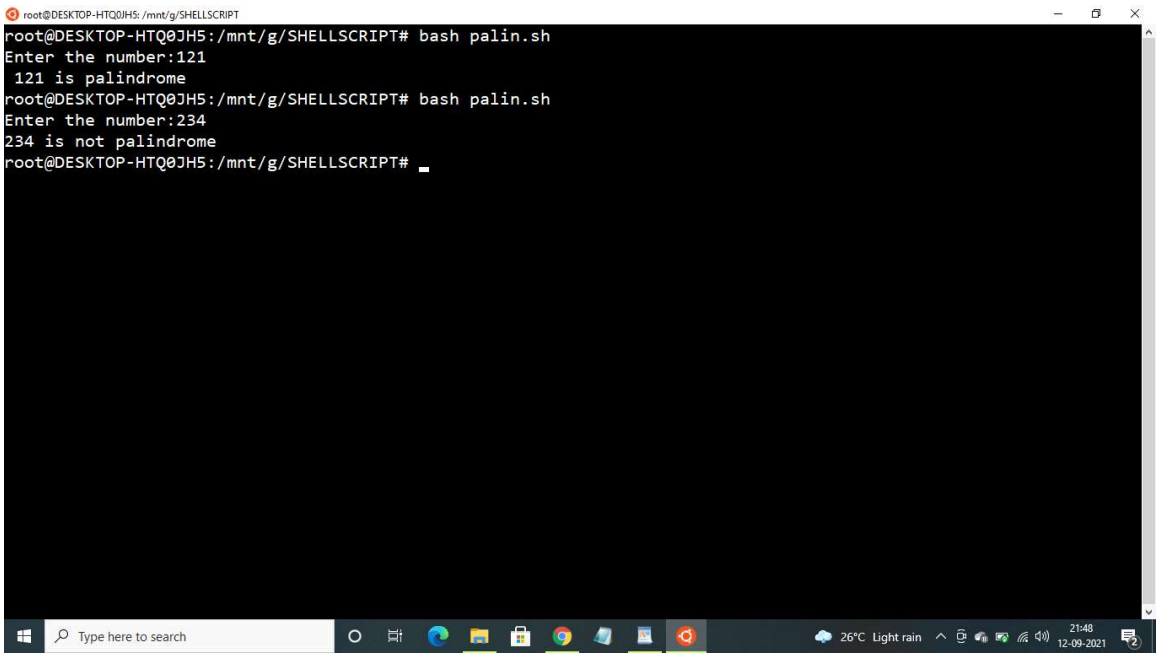




- Write a shell program to check whether a given string is palindrome or not.

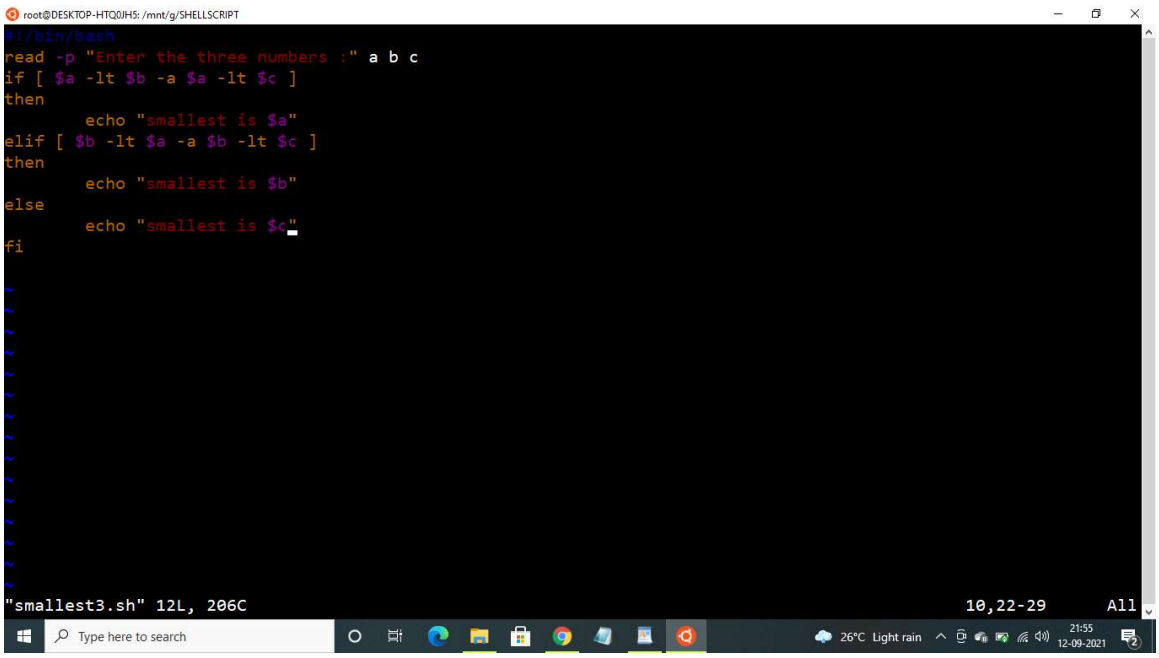
Source Code & OP:

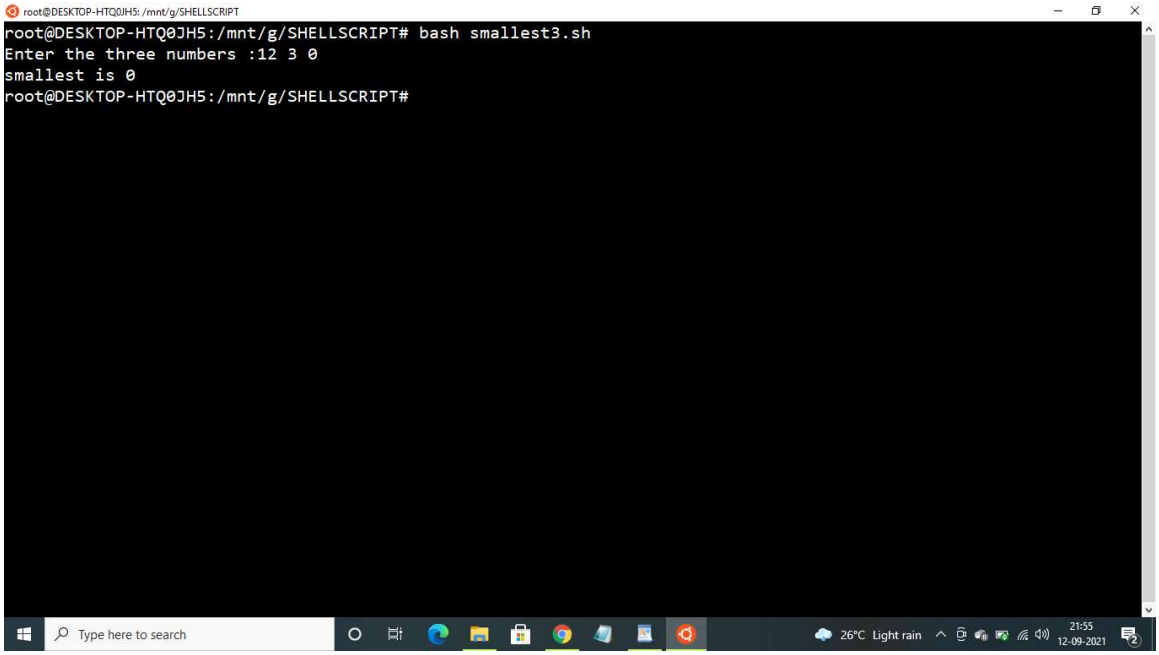




- Write a shell script to find the smallest of three numbers.

Source Code & OP:


root@DESKTOP-HTQ0JH5: /mnt/g/SHELLSCRIPT
#!/bin/bash
read -p "Enter the three numbers :" a b c
if [$a -lt $b -a $a -lt $c]
then
echo "smallest is $a"
elif [$b -lt $a -a $b -lt $c]
then
echo "smallest is $b"
else
echo "smallest is $c"
fi
"smallest3.sh" 12L, 206C
10,22-29
All
Type here to search
26°C Light rain
21:55
12-09-2021


root@DESKTOP-HTQ0JH5: /mnt/g/SHELLSCRIPT
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT# bash smallest3.sh
Enter the three numbers :12 3 0
smallest is 0
root@DESKTOP-HTQ0JH5:/mnt/g/SHELLSCRIPT#
Type here to search
26°C Light rain
21:55
12-09-2021