

POSTLAB ASSIGNMENT:-8

Aim:- Write a shell script program to find the largest among the 3 given numbers

Program:-

```
echo "Enter first number:-"
read a
echo "Enter second number:-"
read b
echo "Enter third number:-"
read c
if [ $a -gt $b ]; then
if [ $a -gt $c ]; then
echo "$a is the greatest number"
else
echo "$c is the greatest number"
fi
else
if [ $b -gt $c ];then
echo "$b is the greatest number"
else
echo "$c is the greatest number"
fi
fi
```

Output:-



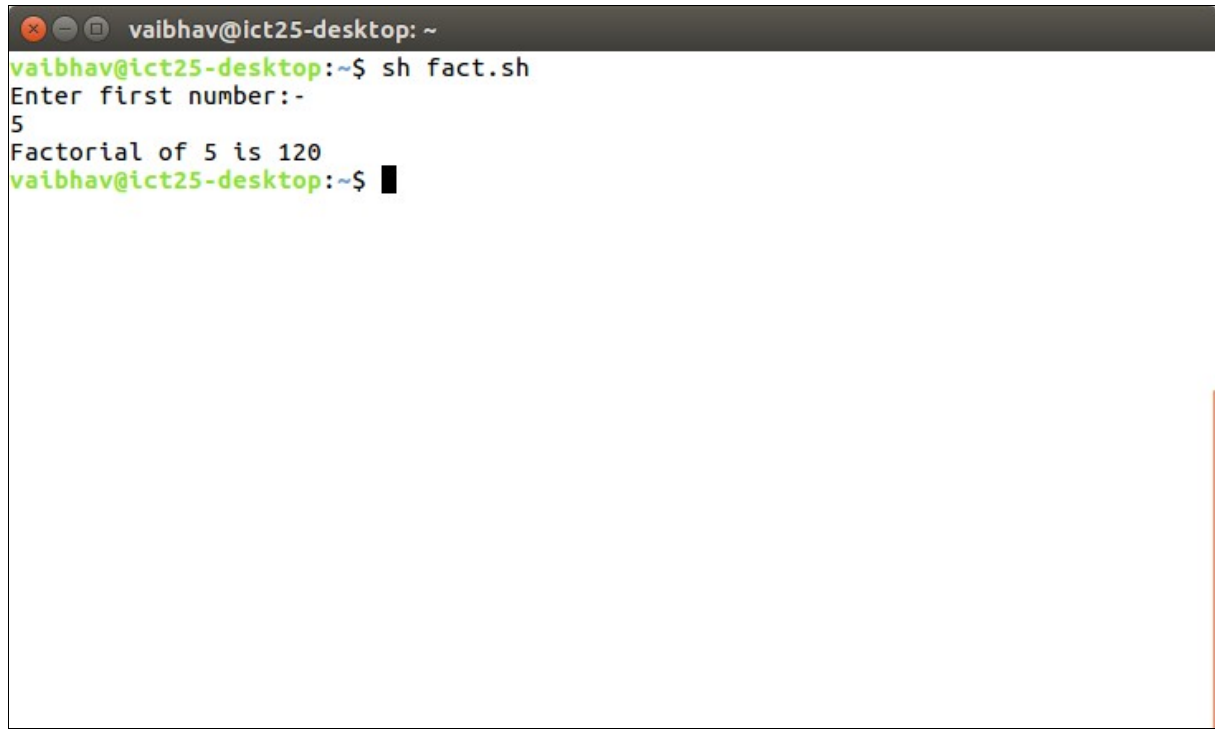
```
vaibhav@ict25-desktop: ~
[1]+  Killed                  gedit greater.sh
vaibhav@ict25-desktop:~$ sh greater.sh
Enter first number:-
10
Enter second number:-
20
Enter third number:-
30
30 is the greatest number
vaibhav@ict25-desktop:~$
```

Aim:- Write a shell script program to find the factorial of the given number

Program:-

```
read n
f=1
i=1
while [ $i -le $n ]
do
f=`expr $f \* $i`
i=`expr $i + 1 `
done
echo "Factorial of $n is $f"
```

Output:-



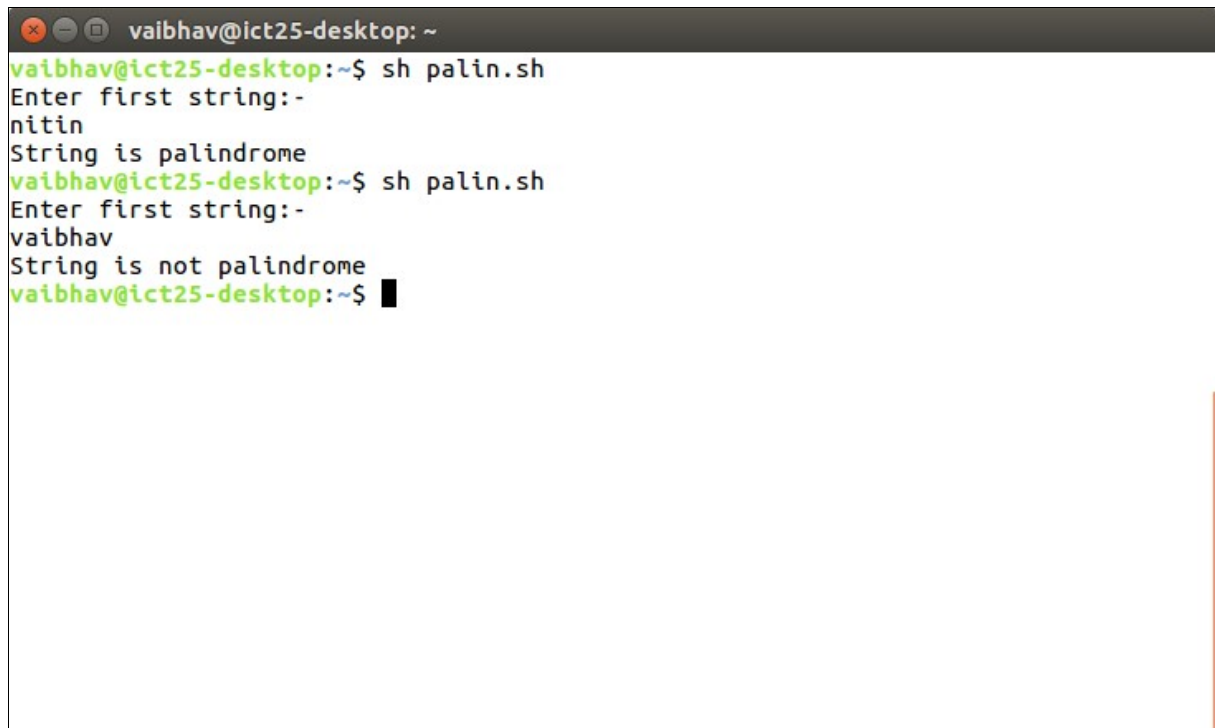
```
vaibhav@ict25-desktop: ~
vaibhav@ict25-desktop:~$ sh fact.sh
Enter first number:-
5
Factorial of 5 is 120
vaibhav@ict25-desktop:~$
```

Aim:- Write a shell script program to check whether the given string is palindrome or not

Program:-

```
echo "Enter first string:-"  
read a  
a1=$(echo $a | rev)  
if [ $a = $a1 ];  
then  
echo "String is palindrome"  
else  
echo "String is not palindrome"  
fi
```

Output:-



```
vaibhav@ict25-desktop: ~  
vaibhav@ict25-desktop:~$ sh palin.sh  
Enter first string:-  
nitin  
String is palindrome  
vaibhav@ict25-desktop:~$ sh palin.sh  
Enter first string:-  
vaibhav  
String is not palindrome  
vaibhav@ict25-desktop:~$ █
```