OPEN SOURCE LAB

ASSIGNMENT – 5

AUGUSTINE SEBASTIAN

ROLL NO : 22

5.Factorial of a given number

```sh
#!/bin/sh

read -p "Enter a number : " i

s=1

until [ $i -lt 1 ]
do
      s=`expr $s \* $i`
      i=`expr $i - 1`
done

echo " Factorial is $s "
```

6. Check whether a given number is palindrome

```sh
#!/bin/sh

read -p "Enter a number : " i

r=0
c=$i

while [ $i -gt 0 ]
do
      e=`expr $i % 10`
      r=`expr $r \\* 10 + $e`
      i=`expr $i / 10`
done

if [ $c == $r ]
then

      echo "the number $c is palindrome"
else
      echo "the number $c is not palindrome"

fi
```

7.Print multiplication table of a number

```sh
#!/bin/sh

s=5

for i in {1..10}
do
        m=`expr $s \\* $i`
        echo "$s * $i = $m"
done
```