KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of UGC Act, 1956

DBMS LAB OS LAB TEST1

- Name :HITU RAJ
- Roll no. :2005025
- Branch :CSE

```
#1 print prime no. b/w 3 to 21 and print factorial of 5

fact=1

for((i=1; i<=21; i++))
do
  c=0
  for((j=1; j<=i; j++))
  do
    if [ `expr $i % $j` -eq 0 ]
    then
     c=`expr $c + 1`
     fi

    if [ $i -eq 5 ]
    then
    fact=`expr $fact \* $j`
    fi
```

```bash
  done
  if [ $c -eq 2 ]
  then
   echo "$i is prime"
   else

    echo "$i is not  prime"
    fi
done

echo "factorial of 5 is $fact"
```

```
factoriat of 21 id 1
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab4$ ./test1.sh
1 is not  prime
2 is prime
3 is prime
4 is not  prime
5 is prime
6 is not  prime
7 is prime
8 is not  prime
9 is not  prime
10 is not  prime
11 is prime
12 is not  prime
13 is prime
14 is not  prime
15 is not  prime
16 is not  prime
17 is prime
18 is not  prime
19 is prime
20 is not  prime
expr: *: Numerical result out of range
21 is not  prime
factorial of 21 id
16 is not  prime
17 is prime
18 is not  prime
19 is prime
20 is not  prime
21 is not  prime
factorial of 5 id 120
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab4$ []
```

```bash
# 2. print the following pattern

rows=4
for((i=1; i<=rows; i++))
do
  for((j=1; j<=i; j++))
  do
    echo -n "* "
  done
```

```
    echo
done
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   wsl

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab4$ ./test2.sh
*
* *
* * *
* * * *
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab4$
```