**EX NO:5(A)**  **FACTORIAL OF A NUMBER**

**DATE:18.1.23**

**AIM**:

To write code for the given problem.

**CODE:** **OUTPUT**:

num=int(input("enter num value:"))

enter num value:5

The factorial of 5 is 120

factorial=1

if num<0:

print("invalid")

if num==0:

print("fact=1")

else:

for i in range(1,num + 1):

factorial = factorial\*i

print("The factorial of",num,"is",factorial)

**EX NO:5(B)**  **MAXIMUM IN A LIST**

**DATE:18.1.23**

**AIM:**

To write code for given problem.

**CODE:** **OUTPUT:**

enter n value:4

enter element value:12

enter element value:22

enter element value:90

enter element value:66

enter element value:4

[12, 22, 90, 66, 4]

the largest element is : 90

list=[]

n=int(input("enter n value:"))

for i in range(0,n+1):

e=int(input("enter element value:"))

list.append(e)

print(list)

print("the largest element is :",max(list))

**EX NO:5(C)**  **AREA AND PERIMETER OF A CIRCLE**.

**DATE:18.1.23**

**AIM:**

To write code for given problem.

**CODE:**  **OUTPUT:**

enter the radius of the given circle: 5

The area of the given circle is: 78.5

The perimeter of the given circle is: 31.400000000000002

def area\_of\_the\_circle (Radius):

area = Radius\*\* 2 \* 3.14

return area

def perimeter(radius):

perimeter=2\* 3.14\* radius

return perimeter

Radius = float (input (" enter the radius of the given circle: "))

print (" The area of the given circle is: ", area\_of\_the\_circle (Radius))

print (" The perimeter of the given circle is: ", perimeter (Radius))

**EX NO:5(D)** **CONVERSION OF HOURS TO MINUTES**

**DATE:18.1.23**

**AIM:**

To write code for given problem

**CODE**: **OUTPUT:**

def time():

enter n value in hours:2

hours in minutes is: 120

minutes=n\*60

print("hours in minutes is:",minutes)

n=int(input("enter n value in hours:"))

time()

**EX NO:5(E)**  **CONCATINATION**

**DATE:18.1.23**

**AIM:**

To write code for given problem

**CODE:**  **OUTPUT:**

enter your 1st name:swethha

enter your last name:muralidharan

your full name is : swethha muralidharan

def name(f,l):

return(f + l)

first\_name=input("enter your 1st name:")

last\_name=input("enter your last name:")

print("your full name is :",name(first\_name , last\_name))