EXPERIMENT-5

#HOURS TO SECONDS:

def conversion(hours):

minutes = hours \* 60;

print("There are " , minutes , " minutes in " , hours , " hours");

hours = float(input('Enter the value of hours: '))

conversion(hours);

OUTPUT:

Enter the value of hours: 4

There are 240.0 minutes in 4.0 hours

#FACTORIAL OF A NUMBER

def fact(n):

if(n==1):

return n

else:

return(n\*fact(n-1))

num=int(input("Enter a number"))

if(num==0):

print("0! is 1")

else:

print(" the factor value of",num,"is",fact(num))

OUTPUT:

Enter a number7

the factor value of 7 is 5040

#LARGEST IN A LIST

list1=[10,20,30,40,50]

list1.sort()

print("Largest is:",list1[-1])

OUTPUT:

largest element is: 50

#Area of circle

import math

class circle():

def \_\_init\_\_(self,radius):

self.radius=radius

def area(self):

return math.pi\*(self.radius\*\*2)

def perimeter(self):

return 2\*math.pi\*self.radius

r=int(input("Enter radius of circle: "))

obj=circle(r)

print("Area of circle:",round(obj.area(),2))

print("Perimeter of circle:",round(obj.perimeter(),2))

OUTPUT:

Enter radius of circle: 4

Area of circle: 50.27

Perimeter of circle: 25.13

#RETURN FULL NAME

def name(x,y):

z=x+y

print(z)

first=input("enter first name")

second=input("Enter second name")

print(first,second)

output:

enter first namexyd

Enter second namehdgu

xyd hdgu