FIND THE FACTORIAL OF A NUMBER

def fact(n):

if(n==1):

return n

else:

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

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

if(n==0):

print("fact is 1")

elif(n<0):

print("cannot be program")

else:

print("factation of",n,"is",fact(n))

OUTPUT:

enter num:5

factation of 5 is 120

FIND THE LARGEST ELEMENT IN LIST

lst = []

n = int(input("Enter number of elements : "))

for i in range(0, n):

ele = int(input("enter element"))

lst.append(ele)

print(lst)

print("Largest Element is :",max(lst))

OUTPUT:

Enter number of elements : 5

enter element23

enter element22

enter element4

enter element1

enter element5

[23, 22, 4, 1, 5]

Largest Element is : 23

PRINT THE AREA AND PERIMETER OF CIRCLE USING FUNCTION

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: 2

Area of circle: 12.57

Perimeter of circle: 12.57

RETURN THE FULL NAME OF THE PERSON (FIRST NAME,LAST NAME ) USING FUNCTION

def full\_name():

c=name1+" "+name2

return c

name1=input("The First Name is : ")

name2=input("The Last Name is : ")

f=full\_name()

print(f)

OUTPUT:

The First Name is : harish

The Last Name is : bala

harish bala

WRITE A PYTHON PROGRAM TO CONVERT TIME HOURS INTO MINUTES

def convert\_time(hrs, min):

min= hrs \* 60 + min

return min

h = int(input("Enter the hours : "))

m = int(input("Enter the minutes : "))

m = convert\_time(h,m)

print("Total Minutes =",m)

OUTPUT:

Enter the hours : 2

Enter the minutes : 52

Total Minutes = 172