**PROGRAM:**

def fact(n):

if n==1:

return n

else:

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

num = int(input("Enter num: "))

ifnum == 0:

print("The factorial of the number is 1")

elifnum> 0:

print("The factorial of the number is ",fact(num))

else:

print("Invalid input")

**OUTPUT:**

Enter num: 5

The factorial of the number is 120

**PROGRAM:**

def lar():

h = max(list1)

return h

list1 = []

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

fori in range(n):

ele = int(input("Enter the element: "))

list1.append(ele)

print("The largest number is ",lar())

**OUTPUT:**

Enter the number of elements: 5

Enter the element: 37

Enter the element: 27

Enter the element: 69

Enter the element: 23

Enter the element: 91

The largest number is 91

**PROGRAM:**

def area(n):

ar = 3.14 \* (n\*\*2)

returnar

def per(n):

per = 2 \* 3.14 \* n

return per

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

print("The area of the circle is ",area(r))

print("The perimeter of the circle is ",per(r))

**OUTPUT:**

Enter the radius of the circle: 5

The area of the circle is 78.5

The perimeter of the circle is 31.400000000000002

**PROGRAM:**

def name(a,b):

h = a + b

return h

first = input("Enter first name: ")

second = input("Enter second name: ")

print(name(first,second))

**OUTPUT:**

Enter first name: Emmanuel

Enter second name: Macron

EmmanuelMacron

**PROGRAM:**

defminu(n):

h = n \* 60

return h

hours = int(input("Enter the hours to be converted: "))

print(minu(hours),"minutes")

**OUTPUT:**

Enter the hours to be converted: 3

180 minutes