Experiment 5

Program5.1:

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: 3

There are 180.0 minutes in 3.0 hours

Program 5.2:

def factorial(x):

if x == 1:

return 1

else:

return (x \* factorial(x-1))

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

result = factorial(num)

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

Output:

Enter a number: 4

The factorial of 4 is 24

Program 5.3:

numbersList = [33, 55, 12, 56, 98, 46]

maxValue = max(numbersList)

print("Largest element is:", maxValue)

Output:

Largest element is: 98

Program 5.4:

r=float(input("Input Radius : "))

area=3.14\*r\*r

perimeter=2\*3.14\*r

print("Area of Circle: ",area)

print("Perimeter of Circle: ",perimeter)

Output:

Input Radius : 28

Area of Circle: 2461.76

Perimeter of Circle: 175.84

Program 5.5:

def name(fname,lname):

return fname+lname

fname = input("Input your First Name : ")

lname = input("Input your Last Name : ")

print("fullname:",name(fname,lname))

Output :

Input your First Name : Harini

Input your Last Name : S V

fullname: Harini S V