Expt no: 5 **PROBLEMS USING FUNCTIONS**

**1.CONCATENATING STRING**

**PROGRAM:**

def name(first\_name,last\_name):

full\_name=first\_name+” “+last\_name

return(full\_name)

n=input("Enter first name:")

m=input("Enter last name:")

print("Concatenated full name is:",name(n,m))

**OUTPUT:**

Enter first name : Butter

Enter last name: Cake

Concatenated full name is: Butter Cake

**2. HOURS INTO MINUTES**

**PROGRAM:**

def hours(a):

mins=a\*60

return mins

hour=int(input("Enter how many hours: "))

print("Minutes in given hours is:",hours(hour))

**OUTPUT:**

Enter how many hours: 2

Minutes in given hours is: 120

**3.FIBONACCI SERIES**

**PROGRAM:**

**def** fibonacci(n):

**if**(n <= 1):

**return** n

**else**:

**return**(fibonacci(n-1) + fibonacci(n-2))

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

**print**("Fibonacci sequence:")

**for** i **in** range(n):

**print**(fibonacci(i))

**OUTPUT:**

Enter number of terms: 7

Fibonacci sequence:

0

1

1

2

3

5

8

**4.MINIMUM OF A LIST**

**PROGRAM:**

def min\_list(list1):

c=min(list1)

return c

list2=[]

n=int(input("Terms in the list:"))

for i in range(0,n):

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

f=list2.append(ele)

print("The minimum of a list is:",min\_list(list2))

**OUTPUT:**

Terms in the list:5

Enter element:1

Enter element:4

Enter element:6

Enter element:7

Enter element:8

The minimum of a list is: 1

**5.AREA AND PERIMETER OF A RECTANGLE**

**PROGRAM:**

def area(l,b):

c=a\*b

return c

def peri(l,b):

p=2\*(l+b)

return p

a=int(input("Enter length: "))

b=int(input("Enter breadth: "))

print("Area is:",area(a,b))

print("Perimeter is: ",peri(a,b))

**OUTPUT:**

Enter length: 5

Enter breadth: 10

Area is: 50

Perimeter is: 30