**PROGRAMS ON FUNCTIONS**

**5A(i) RELATION BETWEEN TWO NUMBERS WITH GREATER AND EQUAL**

**PROGRAM:**

#Relationship between two numbers

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

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

def cmp(a,b):

if(a>b):

greater=a

return greater

elif(a==b):

print("Equal value")

else:

greater=b

return greater

val=cmp(a,b)

print(val)

**OUTPUT:**

Enter a number:65

Enter a number:79

79

Enter a number:87

Enter a number:87

Equal value

None

**5A(ii) RELATION BETWEEN TWO NUMBERSIN LESSER**

**PROGRAM:**

#Relation between two numbers in lesser

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

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

def cmp(a,b):

if(a<b):

lesser=a

return lesser

else:

lesser=b

return lesser

val=cmp(a,b)

print(val)

**OUTPUT:**

Enter a number:46

Enter a number:39

39

**5B MINIMUM OF TWO NUMBERS**

**PROGRAM:**

#Minimum of two numbers

a=int(input("Enter the value of a:"))

b=int(input("Enter the value of b:"))

minimum=min(a,b)

print("Minimum number is:",minimum)

**OUTPUT:**

Enter the value of a:97

Enter the value of b:64

Minimum number is: 64

**5C AREA AND PERIMETER OF SQUARE**

**PROGRAM:**

#Area and perimeter of square

a=int(input("Enter the side of square:"))

def area(a):

area=pow(a,2)

return area

def per(a):

perimeter=4\*a

return perimeter

Area=area(a)

print("AREA=",area(a))

Perimeter=per(a)

print("PERIMETER=",per(a))

**OUTPUT:**

Enter the side of square:10

AREA= 100

PERIMETER= 40

**5D TIME CALCULATION (in minutes)**

**PROGRAN:**

#Time calculation(in minutes)

hr=int(input("Enter the hour:"))

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

def calc(hr,mts):

hour=hr\*60

tot=hour+mts

return tot

print("The total minutes=",calc(hr,mts))

**OUTPUT:**

Enter the hour:6

Enter the minutes:30

The total minutes= 390

**5E FIRST AND LAST NAME**

**PROGRAM:**

#First and last name

def name():

a=input("Enter the first name:")

b=input("Enter the second name:")

name=a+b

return name

print("My name is",name())

**OUTPUT:**

Enter the first name:Jeswin

Enter the second name:James

My name is JeswinJames

**RESULT:**

Thus ,the python program is executed and output is verified successfully