**Programs using function definition**

**a)**Maximum of two numbers

**Aim:** To find the maximum of two numbers using function definition

**Program:**

def max():

x=int(input("Enter a number 1:"))

y=int(input("Enter a number 2:"))

if(x>y):

print("The maximum number is",x)

else:

print("The minimum number is",y)

max()

**Output:**

Enter a number 1:10

Enter a number 2:8

The maximum number is 10

**b)**G.C.D of two numbers

**Aim:** To find the greatest common divisor of two numbers.

**Program:**

defgcd():

a=int(input("Enter a number 1:"))

b=int(input("Enter a number 2:"))

if(a>b):

dividend=a

divisor=b

else:

dividend=b

divisor=a

while(divisor!=0):

rem=dividend%divisor

divisor=dividend

divisor=rem

return divisor

print("Gcd of two numbers is",gcd())

**Output:**

Enter a number 1:10

Enter a number 2:8

Gcd of two numbers is 2

**c)** Adding first name and last name

**Aim:** To add the first name and last name.

**Program:**

first\_name=input("Enter a first name:")

last\_name=input("Enter a last name:")

def name():

c=first\_name+last\_name

return c

a=name()

print("The Name is",a)

**Output:**

Enter a first name:Imaya

Enter a last name:Varamban

The Name is ImayaVaramban

**d)**Conversion of time into minutes

**Aim:**To convert time into minutes

**Program:**

def add():

time\_in\_hours=int(input("Enter a number of hours:"))

time\_in\_mins=int(input("Enter a number of mins:"))

z=time\_in\_hours\*60+time\_in\_mins

return z

print(add())

**Output:**

Enter a number of hours:5

Enter a number of mins:30

330

**e)**Area and perimeter of a triangle

**Aim:** to find area and perimeter of a triangle using function definition.

**Program:**

defarea\_of\_triangle():

Area = (a + b + c) / 2

return Area

defperimeter\_triangle():

perimeter = a + b + c

return perimeter

a=float(input("Enter the Number:"))

b=float(input("Enter the Number:"))

c=float(input("Enter the Number:"))

print("Area of Triangle is:",area\_of\_triangle())

print("Perimeter of Triangle is:",perimeter\_triangle())

**Output:**

Enter the Number:6

Enter the Number:7

Enter the Number:8

Area of Triangle is: 10.5

Perimeter of Triangle is: 21.0