Ex 5- Programs using functions

Return the full name of the Person( first name, last name) using function

def name(x,y):

z=x+y

print(z)

first=input("enter first name")

second=input("enter second name:")

print(first,second)

output

enter first name banu

enter second name:priya

banu priya

2.write a python program to convert time hours into minutes

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: 2

There are 120.0 minutes in 2.0 hours

Group 9

1.gcd of two numbers

n1=int(input("enter first number:"))

n2=int(input("enter second number"))

a=n1

b=n2

while n1!=n2:

if n1>n2:

n1-=n2

else:

n2-=n1

print("gcd of",a,"and",b,"is",n1)

output:

enter first number:3

enter second number78

gcd of 3 and 78 is 3

2.define a function to find the max of two numbers

def maximum(a,b):

if(a>=b):

return a

else:

return b

a=int(input("enter first number:"))

b=int(input("enter second number:"))

print(maximum(a,b))

output:

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enter first number:3

enter second number:6

6

3. Print the area and Perimeter of Triangle using Function

a = float(input('Enter first side: '))

b = float(input('Enter second side: '))

c = float(input('Enter third side: '))

# calculate the semi-perimeter

s = (a + b + c) / 2

# calculate the area

area = (s\*(s-a)\*(s-b)\*(s-c)) \*\* 0.5

print('The area of the triangle is %0.2f' %area)

output:

Enter first side: 6

Enter second side: 7

Enter third side: 9

The area of the triangle is 20.98

Program

a = int(input("Enter the Length of First Side: "))

b = int(input("Enter the Length of Second Side: "))

c = int(input("Enter the Length of Third Side: "))

p = a+b+c

print("\nPerimeter = ", p)

output

Enter the Length of First Side: 798

Enter the Length of Second Side: 900

Enter the Length of Third Side: 5678

Perimeter = 7376