#Finding GCD of two numbers

a = int(input("Enter the value 1:"))

b = int(input("Enter the value 2:"))

if(a>b):

divd = a

divs = b

else:

divd = b

divs = a

while(divs!=0):

rem = divd % divs

divd = divs

divs = rem

print("GCD of",a,"and",b,"is",divd)

output:

Enter the value 1:2

Enter the value 2:4

GCD of 2 and 4 is 2

#Maximum of Two numbers using function

def m(a,b):

if(a>b):

return a

else:

return b

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

b = int(input("Enter value 2:"))

Max = m(a,b)

print(Max," is Maximum")

output:

Enter value 1:6

Enter value 2:5

6 is Maximum

#perimeter and area of triangle

def tri1(a,b,c):

peri = a+b+c

return peri

def tri2(b,h):

area = (b\*h)/2

return area

print("Select your Choice")

print("\nFor Area of Triangle press 1")

print("\nFor Perimeter of Triangle press 2")

ch = int(input("\nEnter your Choice:"))

if(ch==1):

b = int(input("Enter value 1:"))

h = int(input("Enter value 2:"))

Area = tri2(b,h)

print("Area of Triangle is:",Area)

elif(ch==2):

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

b = int(input("Enter value 2:"))

c = int(input("Enter value 3:"))

Perimeter = tri1(a,b,c)

print("Perimeter of Triangle is:",Perimeter)

else:

print("Invalid Input")

output:

Select your Choice

For Area of Triangle press 1

For Perimeter of Triangle press 2

Enter your Choice:2

Enter value 1:2

Enter value 2:2

Enter value 3:2

Perimeter of Triangle is: 6

Select your Choice

For Area of Triangle press 1

For Perimeter of Triangle press 2

Enter your Choice:1

Enter value 1:2

Enter value 2:4

Area of Triangle is: 4.0

#printing Full name using Function

def name(a,b):

return a+b

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

b = input("Enter your Second name:")

Full = name(a,b)

print(Full,"is the full name")

output:

Enter your first name:Linu

Enter your Second name:Harish

LinuHarish is the full name

#hours to Minute

a = int(input("Enter the Hours:"))

minute = a\*60

print("Hours to Minute is:",minute)

output:

Enter the Hours:2

Hours to Minute is: 120