1. Write a Python program to print "Hello Python"?

Ans: #First assignment code

print("Hello Python")

1. Write a Python program to do arithmetical operations addition and division.?

Ans: #input user defined values

a=int(input("enter value1"))

b=int(input("enter value2"))

#addition of values

print("addition of value1 and value2 = " ,a+b)

#division of values

print("division of value2 by value1 = " ,b/a)

1. Write a Python program to find the area of a triangle?

Ans: #area of triangle using heron's formula for any triangle

#user defined values for triangle sides

a=int(input("enter side1"))

b=int(input("enter side2"))

c=int(input("enter side3"))

#semi perimeter of triangle

s=((a+b+c)/2)

# area of triangle using heron's formula

import math

area = math.sqrt(s\*(s-a)\*(s-b)\*(s-c))

print("the area of the triangle with given sides is ",area)

1. Write a Python program to swap two variables?

Ans: #swap two values

#user defined values for triangle sides

a=int(input("enter value1"))

b=int(input("enter value2"))

#swapping

temp=a

a=b

b=temp

#values after swapping

print("value1 and value2 after swapping= ",a,b)

1. Write a Python program to generate a random number?

Ans: #input user defined lower and upper limits

l=int(input("enter lower limit"))

u=int(input("enter lupper limit"))

#generate random number

import random

random.randint(l,u)