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

Sol: print("Hello Python")

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

Sol: def addition(a,b): # function for addition

return a+b

def division(a,b): # function for division

return a/b

print("enter the numbers for operation")# Seeking numbers from the users

a = int(input())

b = int(input())

print("addition-result", addition(a,b))

print("division-result", division(a,b))

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

Sol: import math #importing math library for square root function use

def area\_triangle(a,b,c): # function for area of traingle

s = (a+b+c)/2

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

return area

print("enter the length of sides of the triangle")

a = float(input())

b = float(input())

c = float(input())

print("are of the triangle is ", area\_triangle(a,b,c))

1. Write a Python program to swap two variables?

Sol: print("enter the two numbers for swapping")

a = float(input())

b = float(input())

temp = a

a = b

b = temp

print("swapped values are", a, b)

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

Sol: import random #importing math library for square root function use

random\_number = random.randint(0,30)

print(random\_number)