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

Ans. print('Hello Python')

OUTPUT:

Hello Python

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

Ans.

num1 = input('Enter first number: ')

num2 = input('Enter second number: ')

sum = float(num1) + float(num2)

min = float(num1) - float(num2)

mul = float(num1) \* float(num2)

div = float(num1) / float(num2)

print('The sum of {0} and {1} is {2}'.format(num1, num2, sum))

print('The subtraction of {0} and {1} is {2}'.format(num1, num2, min))

print('The multiplication of {0} and {1} is {2}'.format(num1, num2, mul))

print('The division of {0} and {1} is {2}'.format(num1, num2, div))

OUTPUT:

Enter first number: 10

Enter second number: 20

The sum of 10 and 20 is 30.0

The subtraction of 10 and 20 is -10.0

The multiplication of 10 and 20 is 200.0

The division of 10 and 20 is 0.5

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

Ans.

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

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

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

s = (a + b + c) / 2

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

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

OUTPUT:

Enter first side: 2

Enter second side: 3

Enter third side: 4

The area of the triangle is 2.90

1. Write a Python program to swap two variables?

Ans.

x = 5

y = 10

temp = x

x = y

y = temp

print('The value of x after swapping: {}'.format(x))

print('The value of y after swapping: {}'.format(y))

OUPUT:

The value of x after swapping: 10

The value of y after swapping: 5

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

Ans.

FOR RANDOM NUMBER:

import random

n = random.random()

print(n)

OUTPUT:

0.9547379139408906 (can show a random number value)

FOR A NUMBER IN A RANGE:

import random

n = random.randint(0,10)

print(n)

OUTPUT:

6 (can show a random number within the given range)