**PROGRAMMING PYTHON ASSIGNMENT – 1**

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

**Sol:** print("Hello Python")

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

**Sol:**

a = 10

b = 2

## Addition

add = a + b

## Division

div = a/b

print(add)

print(div)

Output:

12

5.0

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

**Sol:**

height = 100

base = 25

area = height\*base/2

print("Area of triangle:", area)

Output: Area of triangle: 1250.0

**4. Write a Python program to swap two variables?**

**Sol:**

var1 = 123

var2 = 111

print('Before swap:\nvar1 = {} and var2 = {}'.format(var1, var2))

temp = var1

var1 = var2

var2 = temp

print('\nAfter swap:\nvar1 = {} and var2 = {}'.format(var1, var2))

Output:

Before swap:

var1 = 123 and var2 = 111

After swap:

var1 = 111 and var2 = 123

**5. Write a Python program to generate a random number?**

**Sol:**

import random

print(random.random())

print(random.randint(1, 1000))

Output:

0.1903223934166154

745