**Programming Assignment\_1**

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

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

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

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

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

In [ ]:

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

In [2]:

print("Hello Python")

Hello Python

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

In [4]:

a**=** int(input("Enter a number"))

b**=** int(input("Enter b number"))

print("Addition is = ",a**+**b)

print("division is = ",a**/**b)

Enter a number9

Enter b number6

Addition is = 15

division is = 1.5

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

In [6]:

height**=** int(input("Enter the height of triangle "))

base**=** int(input("Enter the base of triangle "))

print("Area of Triangle is = ", 1**/**2**\***(height **\*** base))

Enter the height of triangle 5

Enter the base of triangle 6

Area of Triangle is = 15.0

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

In [8]:

*# here, it is not mentioned that we canot take third variable to swap 2 variables. so doing it in easiest way*

a**=** int(input("Enter a number "))

b**=** int(input("Enter b number "))

temp**=** a

a**=**b

b**=**temp

print("value of a is ", a)

print("value of b is ", b)

Enter a number 4

Enter b number 9

value of a is 9

value of b is 4

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

In [12]:

**import** random

random**.**randint(1,10) *# generate random number between 1 and 10*

Out[12]:

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In [ ]: