1. **Write a Python program to print 'Hello Python’?**

I/P:

print('Hello Python')

O/P:

Hello Python

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

I/P:

num1 = 5

num2 = 10

sum = num1 + num2

division = num2/ num1

print("Addition: " + str(sum))

print("Division: " + str(division))

O/P:

Addition: 15

Division: 2.0

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

I/P:

height **=** int(input('Enter height of triangle: '))

base **=** int(input('Enter base of triangle: '))

**def** areaOfTriangle(height, base):

print('\nArea of triangle ->', 0.5**\***height**\***base)

areaOfTriangle(height,base)

O/P:

Enter height of triangle: 100

Enter base of triangle: 50

Area of triangle -> 2500.0

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

I/P:

num\_1 **=** int(input("Enter First Number: "))

num\_2 **=** int(input("Enter Second Number: "))

**def** swapNumbers(a,b):

temp **=** a

a **=** b

b **=** temp

**return** a,b

print('Before swapping -> ',num\_1, num\_2)

num\_1, num\_2 **=** swapNumbers(num\_1, num\_2)

print('After swapping -> ',num\_1,num\_2)

O/P:

Enter First Number: 100

Enter Second Number: 200

Before swapping -> 100 200

After swapping -> 200 100

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

I/P:

**from** random **import** randint

**def** generateRandomNumber(start**=**0, end**=**100000):

print('Random number -> ',randint(start,end))

*# Generating random numbers without arguments*

generateRandomNumber()

*# Generating random numbers with arguments*

generateRandomNumber(0,100)

O/P:

Random number -> 75610

Random number -> 34