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

print('Hello Python')

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

import operator

ops = { "+": operator.add, "-": operator.sub, "\*":operator.mul, "/":operator.truediv }

print('Select a Arithmetic Operation: \

\n1.Addition(+)\

\n2.Division(-)\

\n2.Multiplication(\*)\

\n4.Division(/)\

\n3.Stop(0)\n')

while True:

operator = input('Enter a arithmetic operation -> ')

if operator == '0':

print("Program Stopped successfully")

break

elif operator not in ['+','-','\*','/']:

print("Please enter a valid operator")

else:

num\_1 = int(input('\nEnter 1st Number: '))

num\_2 = int(input('Enter 2nd Number: '))

print('{}{}{}={}\n'.format(num\_1, operator, num\_2, ops[operator](num\_1,num\_2)))

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

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)

1. Write a Python program to swap two variables?

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)

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

from random import randint

def generateRandomNumber(start=0, end=1000000):

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

# Generating random numbers without arguments

generateRandomNumber()

# Generating random numbers with arguments

generateRandomNumber(0,100)