Assignment – 1

1. Write a python Program to Print Hello World?

Ans: Print(‘Hello’)

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

Ans: Program

num1 = int(input("Enter 1st Number:"))

num2 = int(input("Enter 2nd Number:"))

sum = num1+num2

div = num1/num2

input("Addition:")

print(sum)

input("Division:")

print(div)

Output:

Enter 1st Number:10

Enter 2nd Number:2

Addition:10+2

12

Division:10/2

5.0

1. Write a Python Program to find the area of a Triangle?

Ans: Program

a = 5

b = 6

c = 7

# Uncomment below to take inputs from the user

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

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

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

# calculate the semi-perimeter

s = (a + b + c) / 2

# calculate the area

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

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

output:

The area of the triangle is 14.70

1. Write a Python to Swap two Variables?

Ans : Program

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))

Output:

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 : program

num = random.random()

print(num)

Output: 0.9382079500504509