Programming Assignment_1

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

print("Hello Python")

Output:

"Hello Python"

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

```
num1 = input('Enter first number: ')
num2 = input('Enter second number: ')

# Add two numbers
 sum = float(num1) + float(num2)
 div = float(num1) / float(num2)
# Display the sum
 print('The sum of {0} and {1} is {2}'.format(num1, num2, sum))
# Display the division
 print('The division of {0} and {1} is {2}'.format(num1, num2, div))
```
Output:
Enter first number: 15
Enter second number:25
'The sum of 15 and 25 is 40.0'
'The division of 15 and 25 is 0.6'

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

```
 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)

```
Enter first side: 5
Enter second side: 6
Enter third side: 7
The area of the triangle is 14.70
```

4. **Write a Python program to swap two variables?**
5. # Python program to demonstrate
6. # swapping of two variables
7.
8. x = 10
9. y = 5
10.
11. # Swapping of two variables
12. # Using third variable
13. temp = x
14. x = y
15. y = temp
16.
17. print("Value of x:", x)
18. print("Value of y:", y)

output:

```
 The value of x after swapping: 10
 The value of y after swapping: 5
```

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

1. import random
2. print(random.randint(0,9))

Output