

Programming Assignment_1

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

Sol:

In [1]:

```
1 print("Hello Python")
```

Hello Python

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

Sol:

In [24]:

```
1 a = 10
2 b = 2
3
4 ## Addition
5 add = a + b
6 ## Division
7 div = a/b
8
9 print(add)
10 print(div)
```

12
5.0

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

Sol:

In [6]:

```
1 height = 100
2 base = 25
3
4 area = height*base/2
5
6 print("Area of triangle:", area)
```

Area of triangle: 1250.0

4. Write a Python program to swap two variables?

Sol:

In [11]:

```
1 var1 = 123
2 var2 = 111
3
4 print('Before swap:\nvar1 = {} and var2 = {}'.format(var1, var2))
5
6 temp = var1
7 var1 = var2
8 var2 = temp
9 print('\nAfter swap:\nvar1 = {} and var2 = {}'.format(var1, var2))
```

Before swap:

var1 = 123 and var2 = 111

After swap:

var1 = 111 and var2 = 123

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

Sol:

In [23]:

```
1 import random
2
3 print(random.random())
4 print(random.randint(1, 1000))
```

0.1903223934166154

745

In []:

1