

# Assignment 1 Solutions

## 1. Write a Python program to print 'Hello Python' ?

In [1]:

```
1 print("Hello python")
```

Hello python

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

In [2]:

```
1 a = 10
2 b = 20
3
4 print("Addition {}+{} = {}".format(a,b,a+b))
5 print("Division {}/{} = {}".format(b,a,b/a))
```

Addition 10+20 = 30

Division 20/10 = 2.0

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

In [3]:

```
1 height = int(input('Enter height of triangle: '))
2 base = int(input('Enter base of triangle: '))
3
4
5 def areaOfTriangle(height, base):
6     print('\nArea of triangle ->', 0.5*height*base)
7
8 areaOfTriangle(height,base)
```

Enter height of triangle: 60

Enter base of triangle: 30

Area of triangle -> 900.0

## 4. Write a Python program to swap two variables ?

In [4]:

```
1 a = 100
2 b = 200
3
4 print("Before swaping a = {}, b = {}".format(a,b))
5 temp = a
6 a = b
7 b = temp
8
9 print("After swaping a = {}, b = {}".format(a,b))
```

Before swaping a = 100, b = 200

After swaping a = 200, b = 100

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

In [5]:

```
1 import random
2
3 randomNum = random.randint(0,1000)
4 print(randomNum)
```

200