Programming Assignment_1

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

In [1]:
```python
print("hello python")
```

```
hello python
```

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

In [2]:
```python
a = 10
b = 20
print(a+b)
print(a/b)
```

```
30
0.5
```

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

In [3]:
```python
# Python Program to find the area of triangle

a = 5
b = 6
c = 10

# 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)
```

```
The area of the triangle is 11.40
```

4. Write a Python program to swap two variables?

In [4]:
```python
x = 5
y = 10
x , y = y , x
print("x =", x)
print("y =", y)
```

```
x = 10
y = 5
```

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

In [5]:
```python
import random
```

In [6]:
```python
a = random.randint(1,10)
```

In [7]: a

Out[7]: 2

In [ ]: