# Python Basic Assignment

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

```python
print("Hello Python")
```

```
Hello Python
```

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

```python
a = 10
b = 5

# Addition
result_add = a + b
print("Addition:", result_add)

# Division
result_div = a / b
print("Division:", result_div)
```

```
Addition: 15
Division: 2.0
```

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

```python
base = 10
height = 5

# Calculate the area of a triangle
area = 0.5 * base * height

print("Area of the triangle is:", area)
```

```
Area of the triangle is: 25.0
```

1. Write a Python program to swap two variables?

```python
a = 5
b = 10

print("Before swapping: a =", a, "and b =", b)

# Swap the values
temp = a
a = b
b = temp

print("After swapping: a =", a, "and b =", b)
```

```
Before swapping: a = 5 and b = 10
After swapping: a = 10 and b = 5
```

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

```python
import random

# Generate a random number between 1 and 10
random_num = random.randint(1, 10)

print("Random number:", random_num)
```

```
Random number: 10
```