Assignment 1

1. Write a Python program to print \"Hello Python\"?"
Ans . print('Hello Python')

2. Write a Python program to do arithmetical operations addition and division.
Ans.
```
 # Function to perform addition and division
def add_divide(x, y):
    add = x + y
    divide = x / y
    return add, divide

# Input numbers
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))

# Call function and print results
result1, result2 = add_divide(num1, num2)
print("Addition of {} and {} is {}".format(num1, num2, result1))
print("Division of {} by {} is {}".format(num1, num2, result2))
```

3. Write a Python program to find the area of a triangle?
Ans.
```
base = float(input("Enter the base of the triangle: "))
height = float(input("Enter the height of the triangle: "))

area = 0.5 * base * height

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

4. Write a Python program to swap two variables?
Ans.
```
# Input variables
x = input("Enter the value of x: ")
y = input("Enter the value of y: ")

# Print original values
print("Original values: x = {}, y = {}".format(x, y))

# Swap variables using a temporary variable
temp = x
x = y
y = temp

# Print swapped values
print("Swapped values: x = {}, y = {}".format(x, y))
```

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

```python
import random

# Generate a random integer between 1 and 5000 (inclusive)
random_number = random.randint(1,5000)

# Print the random number
print("Random number:", random_number)
```