**Assignment 4 - Day 4**

**Question 1**

**Write a program to print the following pattern**

**1**

**22**

**333**

**4444**

**55555**

**#Program**

**for i in range(1,6):**

**print()**

**for j in range(1,i+1):**

**print (i, end = "")**

**Question 2**

**Write a Python program to add two numbers using class and object.**

**(Take both numbers as input from the user)**

**#Program**

**class add:**

**def \_\_init\_\_(self):**

**self.x = int(input("Enter 1st value: "))**

**self.y = int(input("Enter 2nd value: "))**

**ob = add()**

**print('Addition of ' ,ob.x ,' & ', ob.y ,' is ', ob.x + ob.y)**

**#End**

**Question 3**

**Define a function swap that should swap two values and print the swapped variables outside the swap function.**

**#Program**

**def swap(x,y):**

**temp = x**

**x = y**

**y = temp**

**return x,y**

**a = int(input("Enter value of a: "))**

**b = int(input("Enter value of b: "))**

**print("Before swap a = ", a , " and b = ", b)**

**print("After swap a = %d and y = %d" %swap(a,b))**