Day-7 (Assignment)

1. Write a Python program to reverse the following tuple. Tuple = (10, 20, 30, 40, 50)
2. Write a Python program to swap two values using the tuple assignment.
3. Write a Python program to print the 4th element from first and 4th element from the last in a tuple.

   tuple1 = ("a", "c", "a", "d", "e", "m", "y", 6, 9, 6)
4. Write a Python program that scans an email address and forms a tuple of user name and domain.
5. Write a Python program that has a list of numbers (both positive as well as negative). Make a new tuple that has only positive values from this list.

   Given list of numbers: $-10, 1, 2, -9, 3, 4, -8, 5, 6$.
6. Write a Python program to copy elements 44 and 55 from the following tuple into a new tuple.

   tuple1 = (11, 22, 33, 44, 55, 66)
7. Write a Python program to modify the first item (22) of a list inside the

   following tuple to 222.

   tuple1 = (11, [22, 33], 44, 55)
8. Write a Python program that has two sequences. First which stores some questions and second stores the corresponding answers.

   Use the zip() function to form a valid question-answer series.

   Sample check:

   Ques= ["Roll_No", "Name", "Course"]

   Ans= [7, "Sourav", "BSc"]

   Output:

   The zipped result is : [('Roll_No', 7), ('Name', 'Sourav'), ('Course', 'BSc')]

9. Write a Python program to check if all items of Tuple are the same or not.

10. Write a Python program to replace the last value of tuples in a list with 100.

    Sample list: [(10,20,40), (40,50,60), (70,80,90)]

    Expected Output: [(10,20,100), (40,50,100), (70,80,100)]