PYTHON – BEGINNER TEST

Question 1: Write a python program to check whether two lists taken by user input (of same length) are circularly identical.

For example, if you rotate the elements of two lists without changing the sequence in a circular path, both lists will be identical.

```
list1 = [8, 8, 12, 12, 8]
list2 = [8, 8, 8, 12, 12]
```

Expected Output:

```
Question : Are List1 and List2 Identical?
Answer :  True
```

Question 2:

Solve the question 1 using only one line of code!

Question 3: Write a Python program to get all unique combinations of two Lists.

For example:

l1 = ['A','B','C']

l2 = [1,2,3]

Expected Output:

```
[[('A', 1), ('B', 2), ('C', 3)], [('A', 1), ('C', 2), ('B', 3)], [('B', 1), ('A', 2), ('C', 3)], [('B', 1), ('C', 2), ('A',
3)], [('C', 1), ('A', 2), ('B', 3)], [('C', 1), ('B', 2), ('A', 3)]]
```

Question 4: Write a Python Program to Add Space between Potential Words.
Hint: Potential words will have their first letter in Capital.

For example: "PythonProgram" has two potential words ["Python", "Program"]

Expected Output:

```
Original list :  ['PriteshJha', 'DatacoreConsultants']
Potential words list:  [' Pritesh Jha', ' Datacore Consultants']
```