Use **C# functions** to do the following questions 1 to 5. You will be able to practice how to pass List variables as function arguments.

1. Write a program and ask the user to enter a few numbers separated by a hyphen. Work out if the numbers are consecutive, otherwise, display "Not Consecutive". For example, if the input is "5-6-7-8-9" or "20-19-18-17-16", display a message: "Consecutive";

2. Write a program and ask the user to enter a few numbers separated by a hyphen. If the user simply presses Enter without entering an input, exit immediately; otherwise, check for any duplicates. If so, display "Duplicate" on the console.

3. Write a program and ask the user to enter a few words separated by a space. Use the words to create a variable name with the CamellCase convention. For example, if the user types: "number of students", display "NumberOfStudents". Make sure the program is not dependent on the casing of the input. So if the input is "NUMBER OF STUDENTS", it should still display "NumberOfStudents". If the user doesn't supply any words, display "Error".

4. Write a program and ask the user to enter an English word. Count the number of vowels (a, e, o, u, i) in the word. So, if the user enters "inadequate", the program should display 6 on the console. Make sure the program calculates the number of vowels irrespective of the casing of the word (eg "Inadequate", "inadequate" and "INADEQUATE" all include 6 vowels).

5. Write a program and ask the user to enter their name. Use an array to reverse the name and then store the result in a new string. Display the reversed name on the console.

6. Write a program and ask the user to enter 5 numbers. If a number has been previously entered, display an error message and ask the user to re-try. Once the user successfully enters 5 unique numbers, sort them and display the result on the console.

7. Write a program and ask the user to continuously enter a number or type "Quit" to exit. The list of numbers may include duplicates. Display the unique numbers that the user has entered.

8. Write a program and ask the user to supply a list of comma-separated numbers (e.g. 5, 1, 9, 2, 10). If the list is empty or includes less than 5 numbers, display "Invalid List" and ask the user to re-try; otherwise, display the 3 smallest numbers in the list.