1. Write a program in C# to find the string which starts and ends with a specific character.

**Input**:

ABU DHABI

AMSTERDAM

ROME

MADURAI

LONDON

NEW DELHI

MUMBAI

NAIROBI

Input starting character for the string: M

Input ending character for the string: I

**Output**:

The city starting with A and ending with M is: Madurai, Mumbai

2. Write a program in C# to display the list of items in the array according to the length of the string then by name in ascending order.

**Input:**

ABU DHABI

AMSTERDAM

ROME

PARIS

CALIFORNIA

LONDON

NEW DELHI

ZURICH

NAIROBI

**Output:**

ROME

PARIS

LONDON

ZURICH

NAIROBI

ABU DHABI

AMSTERDAM

NEW DELHI

CALIFORNIA

**3. Main Exercise to cover all Linq cases**

Download the below projects and it contains the details of trainees.

[Linq Exercise](http://files2.syncfusion.com/Training/LinqExercise.zip)

Implement the code to perform the below operations using Linq.

Menu:

Press 1 to Show the list of Trainee Id

Press 2 to Show the first 3 Trainee Id using Take

Press 3 to show the last 2 Trainee Id using Skip

Press 4 to show the count of Trainee

Press 5 to show the Trainee Name who are all passed out 2019 or later

Press 6 to show the Trainee Id and Trainee Name by alphabetic order of the trainee name.

Press 7 to show the Trainee Id, Trainee Name, Topic Name, Exercise Name and Mark who are all scores the more than or equal to 4 mark

Press 8 to show the unique passed out year using distinct

Press 9 to show the total marks of single user (get the Trainee Id from User), if Trainee Id does not exist, show the invalid message

Press 10 to show the first Trainee Id and Trainee Name

Press 11 to show the last Trainee Id and Trainee Name

Press 12 to print the total score of each trainee

Press 13 to show the maximum total score

Press 14 to show the minimum total score

Press 15 to show the average of total score

Press 16 to show true or false if any one has the more than 40 score using any()

Press 17 to show true of false if all of them has the more than 20 using all()

Press 18 to show the Trainee Id, Trainee Name, Topic Name, Exercise Name and Mark by show the Trainee Name as descending order and then show the Mark as descending order.