**Task**

1. int[] numbers = { 12, 45, 67, 23, 9, 56, 89,9,37,7,18,12,9,77 };

1. Write an algorithm that finds the largest element
2. Write an algorithm that finds the smallest element
3. Calculate the sum of all elements of an array
4. Find how many times the number 9 is repeated
5. Show numbers between 10-30 in array

2. Write multiplication table algorithm

1. User enter the number from console.Readline() and display from 1 to 9 multiplication table

3. Write calculator with switch case

4. Hard question ))) it is **optional**

Library Book Inventory Management

string[] bookTitles = { "Book 1", "Book 2", "Book 3", "Book 4", "Book 5" };

string[] bookAuthors = { "Author 1", "Author 2", "Author 3", "Author 4", "Author 5" };

string[] bookGenres = { "Fiction", "Mystery", "Romance", "Fantasy", "Sci-Fi" };

int[] bookCopiesAvailable = { 5, 3, 7, 0, 2 };

1.Display Book Details:

Use a for loop to display the details of all the books in the inventory. Iterate through the arrays bookTitles, bookAuthors, bookGenres, and bookCopiesAvailable simultaneously and display the corresponding details for each book.

2.Search for a Book:

Ask the user to enter the title of a book they are looking for. Use a for loop to search for the book in the bookTitles array. If the book is found, display its details (title, author, genre, and copies available) from the respective arrays. If the book is not found, display a message indicating that the book is not in the inventory.

3.Check Book Availability:

Ask the user to enter the title of a book they want to borrow. Use a for loop to find the index of the book in the bookTitles array. If the book is found, check the corresponding bookCopiesAvailable value. If it is greater than zero, display a message saying it is available for borrowing. If not, display the number of copies available and inform the user that the book is currently unavailable.