Beginner:

- String manipulation:
    - Write an extension method for `string` that returns a reversed version of the string.
    - Write an extension method for `string` that counts the number of occurrences of a given character (you should pass the character).
    - Write an extension method for `string` that checks if it starts or ends with a specific substring (you should pass this substring to the method).
- Numeric operations:
    - Write an extension method for `int` or `double` that checks if the number is even or odd.
    - Write an extension method for `int` or `double` that calculates the absolute value.
    - Write an extension method for `int` or `double` that rounds to the nearest multiple of a given number.
- Data structures:
    - Write an extension method for `int[]` or `double`[] that removes all duplicate elements (one occurrence of duplicate element).
    - Write an extension method for `int[]` or `double`[] that checks if it contains a specific element (you should pass the element).
    - Write an extension method for `int[]` or `double[]` that returns the element with the maximum value.

Intermediate:

- Date and time:
    - Write an extension method for DateTime that returns the day of the week as a string (Day/Month/Year Hour:Minute:Seconds:milisecs).
    - Write an extension method for DateTime that checks if it falls within a certain date range.
    - Write an extension method for DateTime that calculates the age based on a date of birth.
- Collections and enumerables:
    - Write an extension method for `int[]` or `double[]` that merges two sequences into a single sequence.

- Write an extension method for `int[]` or `double[]` that generates a string representation of the sequence with custom separators (you should pass the separator).