**Assignment C# Advanced Session One**

1. create a generic Range<T> class that represents a range of values from a minimum value to a maximum value. The range should support basic operations such as checking if a value is within the range and determining the length of the range.

Requirements:

1. Create a generic class named Range<T> where T represents the type of values.
2. Implement a constructor that takes the minimum and maximum values to define the range.
3. Implement a method IsInRange(T value) that returns true if the given  value is within the range, otherwise false.
4. Implement a method Length() that returns the length of the range (the difference between the maximum and minimum values).
5. Note: You can assume that the type T used in the Range<T> class implements the IComparable<T> interface to allow for comparisons.

2-You are given an **ArrayList** containing a sequence of elements. try to reverse the order of elements in the **ArrayList** in-place(in the same arrayList) without using the built-in **Reverse**. Implement a function that takes the **ArrayList** as input and modifies it to have the reversed order of elements.

3.You are given a list of integers. Your task is to find and return a new list containing only the even numbers from the given list.