1. What are LINQ Aggregate Functions in C#?

The LINQ Aggregate Functions are used to group together the values of multiple rows as the input and then return the output as a single value. So, in simple words, we can say that the aggregate function in C# is always going to return a single value.

1. When to use the Aggregate Functions in C#?

Whenever you want to perform some mathematical operations such as Sum, Count, Max, Min, Average, and Aggregate on the numeric property of a collection then you need to use the Linq Aggregate Functions.

1. What are the Aggregate Methods Provided by Linq?

The following are the aggregate methods provided by Linq to perform mathematical operations on a collection.

**Sum()**: This method is used to calculate the total(sum) value of the collection.

**Max():** This method is used to find the largest value in the collection

**Min():** This method is used to find the smallest value in the collection

**Average():** This method is used to calculate the average value of the numeric type of the collection.

**Count():** This method is used to count the number of elements present in the collection.

**Aggregate():** This method is used to Perform a custom aggregation operation on the values of a collection.