Reverse

Reverse Method

✓ Reverse method is used to reverse all the elements of a data source.

✓ Reverse method is available in System.Linq namespace.

✓ Reverse will not make any changes in source it will just reverse all the elements in output.

✓ Reverse will return data as IEnumerable<TSource> or IQuerable<TSource> as per the use.

It is just reverse in the query syntax but in the query syntax we use the mixed syntax

```
amespace LinqSample
{
    0 references
    class Program
    {
        0 references
        static void Main(string[] args)
        {
            int[] rollNums = new int[] { 1,2,3,4,5,6,7,8,9,10};

            var mq = rollNums.Reverse();

            var qs = (from number in rollNums
                        select number).Reverse();

            foreach (var item in mq)
            {
                Console.WriteLine(item);
            }
        }
    }
}
```

In string if you use the reverse method it will go to the collection.genric

example name. Reverse();

For this kind we can use the asEmnumerable method to make it as a linq

```csharp
0 references
static void Main(string[] args)
{
    List<string> names = new List<string>() { "Mark", "John", "Adam", "Umar", "Bob" };

    foreach (var item in names)
    {
        Console.WriteLine(item);
    }

    Console.WriteLine("==================");

    var reversed = names.AsQueryable().Reverse();

    foreach (var item in reversed)
    {
        Console.WriteLine(item);
    }

    Console.ReadLine();
}
```

here you can use the asenumerable or queryable