LINQ Lab 01

**Using Repository class in your solution, Find:**

**Class Student (Id, FirstName, LastName, Age, Salary, TrackId)**

**Class Track (TrackId, TrackName)**

1. Display all Student using LINQ Query Expression.
2. Display all Student using LINQ Method Syntax [fluent syntax].
3. Display all Students with Age > 30 using LINQ Query Expression.
4. Display all Students with Salary < 5000 using LINQ Method Syntax [fluent syntax].
5. Display all Students with TrackId =1 and salary > 4000 OrderBy Name descending using LINQ Query Expression.
6. Display all Students with TrackId = 1 and first name Contains ‘m’ OrderBy Salary Ascending using LINQ Method Syntax [fluent syntax].
7. Find First Student with Salary more than 5000.

Hint: (using First and FirstOrDefault and Explain difference)

1. Find Last Student in Track number 10.

Hint: (using Last and LastOrDefault and Explain difference)

1. Find Student with Age equal 25.

Hint: (using Single and SingleOrDefault and Explain difference)

1. Find Student with TrackId equal 8.

Hint: (using Single and SingleOrDefault and Explain difference)

1. Find Student in index 4.
2. Ask the user for sorting method (by Name, Age, etc….) and sorting way (ASC. Or DESC.)…. And implement a function named FindStudentsSorted() that displays all Students sorted as the user requested.