Ejemplos

1. Modificaremos los datos de la base de datos SchoolDB, para que sean más reales y claros. Ejecute este script:

```
use SchoolDB
go

-- Ver contenido de las tablas de estudiantes y profesores
select * from student
select * from teacher
go

-- Modificar contenido de las tablas
update student set studentname='Juan' where studentid = 1
update student set studentname='Pedro' where studentid = 2
update student set studentname='Ana' where studentid = 3
update student set studentname='Sonia' where studentid = 4
update student set studentname='Iván' where studentid = 5
update student set studentname='Luis' where studentid = 6
update student set studentname='Lucía' where studentid = 7
update student set studentname='Joaquín' where studentid = 8
update student set studentname='Elisa' where studentid = 9
update student set studentname='Tania' where studentid = 10
go

-- Modificar contenido de las tablas
update Teacher set Teachername='Juana' where teacherid = 7
update Teacher set Teachername='Pablo' where teacherid = 2
update Teacher set Teachername='Analia' where teacherid = 3
update Teacher set Teachername='Santiago' where teacherid = 4
update Teacher set Teachername='Inés' where teacherid = 5
go
```

2. Filtrado

```
//Filtrado con Linq Método Find con valor de PK
            Student AlumnoConId1 = conexion.Student.Find(1);
            Console.WriteLine("Alumno con Id 1 es " + AlumnoConId1.StudentName);
            Console.ReadKey();



//Agregar using System.Linq;
//Filtrado con query expression, Estudiantes con nombre con L (pueden ser varios)
            var AlumnosConL = (from s in conexion.Student
                               where s.StudentName.StartsWith("L")
```

```
                                select s).ToList();
            foreach (var item in AlumnosConL)
            {
                Console.WriteLine("Alumno " + item.StudentName);

            }
            Console.ReadKey();



//Filtrado con lambda expression, Estudiantes con nombre con L (pueden ser varios)
            var AlumnosConLLambda = conexion.Student
                                    .Where(f => f.StudentName.StartsWith("L"))
                                    .ToList();
            foreach (var item in AlumnosConLLambda)
            {
                Console.WriteLine("Alumno " + item.StudentName);

            }
            Console.ReadKey();


//Filtrado cuando se espera un solo objeto
            var UnAlumno = (from s in conexion.Student
                            where s.StudentName == "Leandro"
                            select s).FirstOrDefault<Student>();
            if (UnAlumno != null)
            {
                Console.WriteLine("Alumno " + UnAlumno.StudentName);

            }
            else {
                Console.WriteLine("No encontrado");
            }
            Console.ReadKey();
```

3. Agregar

```
//Agregar Estudiante
            var std = new Student()
            {
                StudentName = "Leandro",
            };
            conexion.Student.Add(std);
            conexion.SaveChanges();
            Console.WriteLine("Se agregó un estudiante, consulte la base de datos
");
            Console.ReadKey();
```

4. Modificar

```
//Modificar Estudiante
            var std = conexion.Student.Find(1);
```

```
            std.StudentName = "Lucho";
            conexion.SaveChanges();
            Console.WriteLine("Se modificó el estudiante 1, consulte la base de
datos ");
            Console.ReadKey();
```

5. Eliminar

```
//Eliminar Estudiante
            var std = conexion.Student.Find(11);
            conexion.Student.Remove(std);
            conexion.SaveChanges();
            Console.WriteLine("Se eliminó el estudiante 11, consulte la base de
datos ");
            Console.ReadKey();
```

Más ejemplos en:

https://www.tektutorialshub.com/entity-framework-core/querying-in-entity-framework-core/#query-syntax

https://www.tektutorialshub.com/entity-framework-core/single-singleordefault-first-firstordefault-in-ef-core/

https://www.entityframeworktutorial.net/querying-entity-graph-in-entity-framework.aspx