[Note: It's a continuation of Assignment 13 covered on Day 19]

Purpose of the assignment is to understand the ADO.NET.

Requirement:

1. Use the assignment 14 covered in Day 19

2. Create Database object given below

   a. Procedure for Add & Edit

   b. Procedure for Delete

3. Write three function using ADO.NET C# code

   a. LoadAllProject - will retrieve all records of the table Project and return a DataTable

   b. AddEditProject – will add item to table Projects if Id field is zero(0) else edit the item, return the Id value of newly inserted record (in case of Add) and for edit the Id that we specified as parameter

   c. DeleteProject – Delete the item from the table Projects, return status of deletion

4. Display the operation in console

5. Collect evidence.

Database Table

```
CREATE TABLE [dbo].[Projects](

[Id] [int] IDENTITY(1,1) NOT NULL,

[Name] [varchar](255) NOT NULL,

[Description] [nvarchar](1023) NULL,

[StartDate] [datetime] NOT NULL,

[EndDate] [datetime] NOT NULL,

[IsActive] [bit] NOT NULL DEFAULT(1),

)
```

Database Procedure for Add and Edit

```
CREATE PROCEDURE AddUpdateProject (
```

```sql
        @Id int = null output,

        @Name VARCHAR(255),

        @Description NVARCHAR(1023),

        @StartDate DATETIME,

        @EndDate DATETIME,

        @IsActive BIT
        )
AS
BEGIN

        IF @Id = 0

        BEGIN

                INSERT INTO [dbo].[Projects](Name,Description,StartDate,EndDate,IsActive)

                VALUES(@name,@Description,@StartDate,@EndDate,@IsActive)

                SET @Id = @@IDENTITY

        END

        ELSE

        BEGIN

                UPDATE [dbo].[Projects] SET

                Name = @Name,

                Description = @Description,

                StartDate = @StartDate,

                EndDate = @EndDate,

                IsActive = @IsActive

                WHERE Id = @Id

        END

END
```

Procedure for Delete

```sql
CREATE PROCEDURE DeleteProject (
       @Id int
       )
AS
BEGIN
       IF EXISTS(SELECT * FROM [dbo].[Projects] WHERE Id = @Id)
       BEGIN
              DELETE FROM [dbo].[Projects] WHERE Id = @Id
       END
END
```

CREATE PROCEDURE DeleteProject (
       @Id int
)
AS
BEGIN
       IF EXISTS(SELECT * FROM [dbo].[Projects] WHERE Id = @Id)