Help file on How to Create Stored Procedures

Instructions:

- Use Naming Convention as per given example.
- Apply appropriate joins whenever it is required.
- Give Parameter name as same as the column names in table.
- Always use ORDER BY Clause in every Select Stored Procedures.
- You have to write all tables Stored Procedures as per below sample for CRUD operations

1. SelectAll Procedure [For List Page]

```
CREATE PROCEDURE [dbo].[PR_City_SelectAll]
AS

SELECT [dbo].[LOC_City].[CityID]
      ,[dbo].[LOC_City].[CityName]
      ,[dbo].[LOC_City].[StateID]
      ,[dbo].[LOC_State].[StateName]
      ,[dbo].[LOC_City].[Pincode]
      ,[dbo].[LOC_City].[StdCode]
      ,[dbo].[LOC_City].[CreationDate]
      ,[dbo].[LOC_Country].[CountryName]

FROM [dbo].[LOC_City]

INNER JOIN [dbo].[LOC_State]
ON [dbo].[LOC_State].[StateID] = [dbo].[LOC_City].[StateID]

INNER JOIN [dbo].[LOC_Country]
ON [dbo].[LOC_Country].[CountryID] = [dbo].[LOC_State].[CountryID]

ORDER BY  [dbo].[LOC_Country].[CountryName]
         ,[dbo].[LOC_State].[StateName]
         ,[dbo].[LOC_City].[CityName]
```

2. SelectByPK Procedure [Edit time record fetch & fill controls]

```
CREATE PROCEDURE [dbo].[PR_City_SelectByPK]
@CityID int
AS

SELECT
      [dbo].[LOC_City].[CityID]
     ,[dbo].[LOC_City].[CityName]
     ,[dbo].[LOC_City].[StateID]
```

```
        ,[dbo].[LOC_City].[CountryID]
        ,[dbo].[LOC_City].[Pincode]
        ,[dbo].[LOC_City].[StdCode]
        ,[dbo].[LOC_City].[CreationDate]
        ,[dbo].[LOC_Country].[CountryName]
FROM [dbo].[LOC_City]

INNER JOIN [dbo].[LOC_State]
ON [dbo].[LOC_State].[StateID] = [dbo].[LOC_City].[StateID]

INNER JOIN [dbo].[LOC_Country]
ON [dbo].[LOC_Country].[CountryID] = [dbo].[LOC_City].[CountryID]

WHERE [dbo].[LOC_City].[CityID] = @CityID

ORDER BY
        [dbo].[LOC_Country].[CountryName]
        ,[dbo].[LOC_State].[StateName]
        ,[dbo].[LOC_City].[CityName]
```

3. Insert Procedure [To add any new record]

```
CREATE PROCEDURE [dbo].[PR_City_Insert]

    @CityName           varchar(100),
    @StateID            int,
    @CountryID          int,
    @Pincode            varchar(6),
    @StdCode            varchar(5),
    @CreationDate       datetime
AS

INSERT INTO [dbo].[LOC_City]
 (
     [CityName]
    ,[StateID]
    ,[CountryID]
    ,[Pincode]
    ,[StdCode]
    ,[CreationDate]
)
VALUES
(
    @CityName,
    @StateID,
    @CountryID,
    @Pincode,
    @StdCode,
    @CreationDate
)
```

4. UpdateByPK Procedure [To update/modify existing record]

```sql
CREATE PROCEDURE [dbo].[PR_City_UpdateByPK]

    @CityID             int,
    @CityName           varchar(100),
    @StateID            int,
    @Pincode            varchar(50),
    @StdCode            varchar(5),
    @CountryID          int,
    @CreationDate       datetime

AS

UPDATE [dbo].[LOC_City]

   SET [CityName] = @CityName,
       [StateID] = @StateID,
       [Pincode] = @Pincode,
       [StdCode] = @StdCode,
       [CountryID] = @CountryID,
       [CreationDate] = @CreationDate

WHERE [dbo].[LOC_City].[CityID] = @CityID
```

5. DeleteByPK Procedure [To Delete record]

```sql
CREATE PROCEDURE [dbo].[PR_City_DeleteByPK]
    @CityID     int
AS
DELETE
FROM [dbo].[LOC_City]
WHERE [dbo].[LOC_City].[CityID] = @CityID
```