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.

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]

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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]**

```
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]**

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