

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]
```

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

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

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

```