Assignment

MS SQL Database-2

General Instruction: Please read "SQL Coding Standards and Best Practices" document before you start work on this assignment.

[SQL Server Naming Conventions and Standards (dotnettricks.com)](#)

[sqlserver-kit/SQL Server Name Convention and T-SQL Programming Style.md at master · ktaranov/sqlserver-kit (github.com)](#)

With continuation of Assignment – 1, here, we will be creating SPs, Functions, Views, Triggers and Functions using the same scripts.

> Add Updated Date and Updated By columns in all tables. Group Post table will be having only Updated date.

> Create stored procedures for CRUD operations:

Note:

Create all SPs/functions/triggers/cursors with proper name following naming conventions and having name by which function of the SP could be easily recognized. Like if you are creating SP to select groups created by specific role than name could be "sp_GetGroupsByHR" or "sp_SelectGroupsByHR". It must be short and specific.

Insert SP should not take Primary key field as parameter.

Update/Delete should be as per Primary key field and should not update/delete all records.

The tables which have active status should set that instead of deleting whole row.

1. Insert/Update/Delete City

2. Insert/Update/Delete Roles

3. Insert/Update/Delete Users

4. Insert/Update/Delete Groups

5. Insert/Update/Delete Sub Groups

6. Insert/Update/Delete Group Posts

> Create a store procedure to:
>   1. Select User Name (First Name and Last name combined), email id, birthdate, city, joining date) for all active users (Alphabetically).
>   2. Select all cities (ID, Name) (Alphabetically).

3. Select all roles (ID, Name) (Alphabetically).
4. Select all active groups(Alphabetically).
5. Select all groups created by specific user(Alphabetically).
6. Select all groups created by specific role(Alphabetically).
7. Select all sub groups (group wise) (Alphabetically).
8. Select all posts order by latest on top.
9. Select all posts by specific user.
10. Select all posts by specific role.

➢ Create view to get groups and its sub groups (Group name, Sub group name, User name(who has updated last) which have been updated today.

➢ Create View to get Post Title, Post owner name, No. of Likes whichever has like count more than 10.

➢ Create a scaler function which returns only date from provided date time.

➢ Create an inline table function which returns all posts which have been created by HR.

➢ Create a cursor to select all users with their full name and role.

Eg. Rima Prajapati is HR.

➢ Create a new table for user logs and role logs, with same structure as of user and role tables.

➢ Create a trigger on user and roles tables, which will add an original row in user/role logs tables before every update.

1. "All" Users (First Name + Last Name, Role name, Email id, Phone number, Birth Date, City) – and users - role wise

2. "All" Sub Groups – and Sub groups – group wise

3. Select Users whose birthdate is today

4. Select posts of last 2 days – latest on top

5. Select posts of particular active user (First name + Last Name, Role, Post Title, Reference, Likes count, Post creation date)

6. Select posts of employee who had joined company first.

➢ Update/Delete scripts for all the above tables.

➢ Update/Delete scripts for below scenarios.

1. Update joining date of an employee

2. Delete groups created by role say 'HR'

3. Update description and active status of particular group.