**QA Engineering Challenge 1 – Set of test data**

**Steps to execute the Testing Scripts:**

1. Open SQL Server Management Studio
2. Login in with your credentials
3. Select File Menu ->New -> Query with Current Connection Or Press CTRL+N to open a new query Window
4. Create Database using below Script:

Create Database SaloniQATest

1. Select Database using below script:

Use SaloniQATest

1. Run the Attached Script file for creating the Test Data
   1. Select File Menu -> Open -> File Option
   2. Browser to file named **CreateData.sql** andClick Open
   3. Press F5 or Click on Execute option in Query Menu
2. Run the Attached Script file for the Test Case Scenarios
   1. Select File Menu -> Open -> File Option
   2. Browser to file named **TestData.sql** andClick Open
   3. Press F5 or Click on Execute option in Query Menu

**QA Engineering Challenge 2 – Test Scenarios**

**Test Scenarios for Departments\_file: -**

1. To validate the ‘Departments\_file’ table structure is as per the functional requirement document
2. To perform data level validation in ‘Departments\_file’ table
3. To validate the null values in the ‘Departments\_file’ table
4. To check the duplicate values in the ‘Departments\_file’ table
5. To check the duplicate values in each attribute of the ‘Departments\_file’ table
6. To check the field value or space (length of the field size) in the ‘Departments\_file’ table
7. To check the constraints (foreign, primary key) in the ‘Departments\_file’ table.
8. Verify that when data get inserted through UI then it should be reflecting in table or not and vice versa.
9. Verify error and warning messages should be readable format.
10. To validate Nth level validation of each Column.

**Test Scenarios for Employees\_file: -**

1. To validate the ‘Employees\_file’ table structure is as per the functional requirement document
2. To perform data level validation in ‘Employees\_file’ table
3. To validate the null values in the ‘Employees\_file’ table
4. To check the duplicate values in the ‘Employees\_file’ table
5. To check the duplicate values in each attribute of the ‘Employees\_file’ table
6. To check the field value or space (length of the field size) in the ‘Employees\_file’ table
7. To check the constraints (foreign, primary key) in the ‘Employees\_file’ table.
8. Verify that when data get inserted through UI then it should be reflecting in table or not and vice versa.
9. Verify error and warning messages should be readable format.
10. To validate Nth level validation of each Column