**WRITE UP**

**STEP 1**: Open the Sql server Express Edition And create a New School Database

“Rainbow\_SchoolDb”

**STEP 2:** Create a table named "Student" with columns for student details given below.

“StudentID, FirstName, LastName, DateOfBirth, ClassID, and SubjectID.”

**STEP 3:** Create a table named "Subjects" to store information about subjects. The table has SubjectID and SubjectName

**STEP 4:** Creates a table named "Classes" to store information about classes. The table has ClassID and ClassName.

**STEP 5:** Insert multiple data into the tables Student, Subjects and Classes Representing student information, subjects and the classes

**STEP 6:** By Inserting Multiple data into the tables the School Database will be created with the student information, classes and subjects in the database.

**STEP 7**: For better performance we have used Index Optimization we added indexes on ClassID and SubjectsID.

We have used the Join clause for displaying all the records in a single table.

**GitLink:**