SOURCE CODE

Create a School Database

Description

Using SQL Server MMC, create tables and indexes for storing students, subjects and classes data.

```
CREATE DATABASE RainbowSchoolDB;
USE RainbowSchoolDB;
-- Student Table
-- Step 1: Create Classes Table
CREATE TABLE Classes (
  ClassID INT PRIMARY KEY,
  ClassName VARCHAR(50)
);
-- Step 2: Create Subjects Table
CREATE TABLE Subjects (
  SubjectID INT PRIMARY KEY,
  SubjectName VARCHAR(50)
);
-- Step 3: Create Student Table with Foreign Key Constraint
CREATE TABLE Student (
  StudentID INT PRIMARY KEY,
  FirstName VARCHAR(50),
  LastName VARCHAR(50),
  ClassID INT FOREIGN KEY REFERENCES Classes(ClassID)
);
-- Add Index on Student Table
CREATE INDEX idx Student ClassID ON Student(ClassID);
-- Index on Subjects Table
CREATE INDEX idx Subjects SubjectName ON Subjects(SubjectName);
-- Insert dummy data into Classes table
INSERT INTO Classes (ClassID, ClassName) VALUES
(1, 'Class 1A'),
```

```
(2, 'Class 1B'),
(3, 'Class 2A'),
(4, 'Class 2B');
-- Insert dummy data into Subjects table
INSERT INTO Subjects (SubjectID, SubjectName) VALUES
(101, 'Mathematics'),
(102, 'English'),
(103, 'Science'),
(104, 'History');
-- Insert dummy data into Student table
INSERT INTO Student (StudentID, FirstName, LastName, ClassID) VALUES
(1, 'John', 'Doe', 1),
(2, 'Jane', 'Smith', 2),
(3, 'Bob', 'Johnson', 3),
(4, 'Alice', 'Williams', 4);
Select * from Student;
Select * from Subjects;
Select * from Classes;
```