```
CREATE DATABASE Schools
USE Schools
-- Create the Subjects table
CREATE TABLE Subjects (
    SubjectID INT PRIMARY KEY,
    SubjectName VARCHAR(50) NOT NULL
-- Insert data into Subjects table
INSERT INTO Subjects (SubjectID, SubjectName)
VALUES
    (1, 'Math'),
    (2, 'Science'),
    (3, 'History'),
    (4, 'English')
-- Create the Classes table
CREATE TABLE Classes (
    ClassID INT PRIMARY KEY,
    ClassName VARCHAR(50) NOT NULL
-- Insert data into Classes table
INSERT INTO Classes (ClassID, ClassName)
VALUES
    (101, 'Class 1A'),
    (102, 'Class 2A'),
    (103, 'Class 3A'),
    (104, 'Class 4A')
-- Create the Students table
CREATE TABLE Students (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50) NOT NULL,
    LastName VARCHAR(50) NOT NULL,
    DateOfBirth DATE,
    ClassID INT REFERENCES Classes(ClassID),
    SubjectID INT REFERENCES Subjects(SubjectID)
INSERT INTO Students (StudentID, FirstName, LastName, DateOfBirth, ClassID, SubjectID)
VALUES
    (1, 'Raman', 'Dixit', '2005-05-10', 101, 1), (2, 'Aman', 'Gupta', '2006-08-15', 102, 2),
    (3, 'Ashish', 'Bhatti', '2007-03-20', 103, 3),
    (4, 'Deep', 'Saxena', '2005-11-28', 104, 4), (5, 'Sam', 'Dicosta', '2006-02-03', 101, 2)
-- Create indexes for better performance
CREATE INDEX IX Students ClassID ON Students(ClassID)
CREATE INDEX IX_Students_SubjectID ON Students(SubjectID)
--Retrieve a list of students in a specific class
SELECT FirstName, LastName
FROM Students
WHERE ClassID = 101
```

```
--Get the subject of a specific student

SELECT s.SubjectName

FROM Students stu

INNER JOIN Subjects s ON stu.SubjectID = s.SubjectID

WHERE stu.StudentID = 2

--Find students born after a certain date

SELECT FirstName, LastName, DateOfBirth

FROM Students

WHERE DateOfBirth > '2006-01-01'

--List all subjects taught in a specific class

SELECT DISTINCT s.SubjectName

FROM Students stu

INNER JOIN Subjects s ON stu.SubjectID = s.SubjectID

WHERE stu.ClassID = 101
```