

Student – store all student data across multiple classes

Dell.SchoolDB - dbo.Student				
	StudentID	FirstName	LastName	ClassID
▶	1	Navin	kr	1
	2	Priti	Singh	2
	3	Boby	Boy	1
	4	Alia	Bhat	3
	5	Jay	Verma	2
★	NULL	NULL	NULL	NULL

Subjects – master list of subjects taught in all classes

Dell.SchoolDB - dbo.Subjects		
	SubjectID	SubjectName
	101	Mathematics
	102	Science
	103	English
	104	History
▶★	NULL	NULL

Classes – list of classes in the school

Dell.SchoolDB - dbo.Classes		
	ClassID	ClassNa...
▶	1	Class A
	2	Class B
	3	Class C
★	NULL	NULL

## Source Code

```
--create database SchoolDB;
use SchoolDB;

--CREATE TABLE Student (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    ClassID INT
);

--CREATE TABLE Subjects (
    SubjectID INT PRIMARY KEY,
    SubjectName VARCHAR(50)
);

--CREATE TABLE Classes (
    ClassID INT PRIMARY KEY,
    ClassName VARCHAR(50)
);

--CREATE INDEX IX_Student_ClassID ON Student (ClassID);

--INSERT INTO Classes (ClassID, ClassName)
VALUES
    (1, 'Class A'),
    (2, 'Class B'),
    (3, 'Class C');

--INSERT INTO Subjects (SubjectID, SubjectName)
VALUES (
    (101, 'Mathematics'),
    (102, 'Science'),
    (103, 'English'),
    (104, 'History');

--INSERT INTO Student (StudentID, FirstName, LastName, ClassID)
VALUES
    (1, 'Maya', 'Lee', 1),
    (2, 'Priya', 'Singh', 2),
    (3, 'Ravi', 'Sharma', 1),
    (4, 'Aliya', 'Khan', 3),
    (5, 'Isha', 'Verma', 2);

--select * from Student;
```