create Database PracticeEx1Db

use PracticeEx1Db

-- Subjects table

create table Subjects (

SubjectID int primary key,

SubjectName nvarchar(50) not null

)

--Classes table

create table Classes (

ClassID int primary key,

ClassName nvarchar(50) not null

)

-- Students table

create table Student (

StudentID int primary key,

FirstName nvarchar(50) not null,

LastName nvarchar(50) not null,

DateOfBirth Date,

ClassID int foreign key references Classes,

SubjectID int foreign key references Subjects

)

insert into Subjects values

(11, 'Tamil'),

(12, 'English'),

(13, 'Maths'),

(14, 'Biology'),

(15, 'Physics'),

(16, 'Chemistry'),

(17,'ComputerScience'),

(18,'Commerce');

insert into Classes values

(100, 'Class A'),

(101, 'Class B'),

(102, 'Class C'),

(103, 'Class D'),

(104, 'Class E');

insert into Student values

(5113, 'Manoj', 'Moorthy', '2003-03-30', 100, 17),

(2113, 'Sam', 'Anderson', '2005-05-25', 101, 12),

(6114, 'Virat', 'Kohli', '2004-06-20', 102, 13),

(8116, 'Rohit', 'sharma', '2003-09-18', 103, 18),

(9118, 'Sachin', 'Tendulkar', '2006-11-05', 104,14);

create index SCid\_index on Student(ClassID)

create index SSid\_index on Student(SubjectID)

select \* from Classes

select \* from Student

select \* from Subjects

select StudentID, FirstName +' '+ LastName 'Student Name', DateOfBirth DOB, C.ClassID, c.ClassName, sub.SubjectID, sub.SubjectName

from Student s

join Classes c on s.ClassID = c.ClassID

join Subjects sub on sub.SubjectID = s.SubjectID