Practice Project 1 – Phase 3

Create a School Database

Source Query:

create Database PracPro1

use PracPro1

-- 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

(01, 'Tamil'),

(02, 'English'),

(03, 'Mathematics'),

(04, 'Science'),

(05, 'SocialScience'),

(06, 'GeneralKnowledge'),

(07, 'ComputerScience'),

(08, 'Art and Craft');

insert into Classes values

(101, 'Class A'),

(102, 'Class B'),

(103, 'Class C'),

(104, 'Class D'),

(105, 'Class E');

insert into Student values

(1004, 'Charu', 'Srinivasan', '2001-06-15', 101, 04),

(1212, 'Guru', 'Ganesan', '2004-03-18', 102, 05),

(3131, 'Preetha', 'Balan', '2000-10-31', 103, 03),

(2025, 'Naziya', 'Banu', '2000-09-26', 104, 08),

(4042, 'Aarthi', 'Senthil', '2007-03-28', 105,06);

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