Queries:

**Subjects taught by Teacher:**

SELECT s.SchoolName, ssub.SubjectCode, t.FirstName + t.LastName as Name

FROM [dbo].[Schools] as s

inner join SchoolSubjects as ssub

on s.SchoolCode = ssub.SchoolCode

inner join TeachersSubjects as ts

on ts.ssCode = ssub.ssCode

inner join Teachers as t

on t.TeacherID = ts.TeacherID

WHERE ts.TeacherID = '20000'

**Subjects by School and Teacher:**

SELECT s.SchoolName, ssub.SubjectCode, ts.TeacherID, t.FirstName + t.LastName as Name

FROM [dbo].[Schools] as s

inner join SchoolSubjects as ssub

on s.SchoolCode = ssub.SchoolCode

inner join TeachersSubjects as ts

on ts.ssCode = ssub.ssCode

inner join Teachers as t

on t.TeacherID = ts.TeacherID

WHERE ssub.SchoolCode = '2300'

**List of Classes and Teachers in a School:**

SELECT Schools.SchoolName, Subjects.[Subject], Teachers.FirstName +' ' + Teachers.LastName as Teacher,Classes.ClassID,Classes.AcademicYear, ClassDays.StartTime, ClassDays.EndTime, Days.Day, Forms.FormName, Terms.TermName

FROM StudentClasses INNER JOIN

ClassDays INNER JOIN

Classes ON ClassDays.ClassID = Classes.ClassID INNER JOIN

Days ON ClassDays.DayID = Days.DayID INNER JOIN

Forms ON Classes.FormID = Forms.FormID ON StudentClasses.ClassID = Classes.ClassID INNER JOIN

Students ON StudentClasses.StudentID = Students.StudentID AND Forms.FormID = Students.FormID INNER JOIN

SchoolSubjects INNER JOIN

Schools ON SchoolSubjects.SchoolCode = Schools.SchoolCode ON Students.SchoolCode = Schools.SchoolCode INNER JOIN

Subjects ON SchoolSubjects.SubjectCode = Subjects.SubjectCode INNER JOIN

Teachers ON Schools.SchoolCode = Teachers.SchoolCode INNER JOIN

TeachersSubjects ON Classes.tsCode = TeachersSubjects.tsCode AND SchoolSubjects.ssCode = TeachersSubjects.ssCode AND

Teachers.TeacherID = TeachersSubjects.TeacherID INNER JOIN

Terms ON Classes.TermID = Terms.TermID

Where Schools.SchoolCode = '2304'

**or**

**Select DISTINCT s.Subject, t.FirstName +' '+t.LastName as Teacher, cd.StartTime,cd.EndTime, f.FormName, d.[Day]**

**FROM Subjects as s INNER JOIN**

**SchoolSubjects as ss ON s.SubjectCode = ss.SubjectCode INNER JOIN**

**TeachersSubjects as ts ON ss.ssCode = ts.ssCode INNER JOIN**

**ClassDays as cd INNER JOIN**

**Classes as c ON cd.ClassID = c.ClassID INNER JOIN**

**Days as d ON cd.DayID = d.DayID ON ts.tsCode = c.tsCode INNER JOIN**

**Teachers as t ON ts.TeacherID = t.TeacherID INNER JOIN**

**Forms AS f ON c.FormID = f.FormID INNER JOIN**

**Terms AS trm ON c.TermID = trm.TermID**

**where ss.SchoolCode = '2305'**

**order by f.FormName**

**Lists all the Subjects/Classes a Teacher Teaches:**

SELECT TeachersSubjects.TeacherID, Teachers.FirstName+' '+Teachers.LastName as Teacher, Subjects.Subject, Forms.FormName, Terms.TermName, Days.[Day], Classes.AcademicYear, ClassDays.StartTime, ClassDays.EndTime

FROM Subjects INNER JOIN

SchoolSubjects ON Subjects.SubjectCode = SchoolSubjects.SubjectCode INNER JOIN

TeachersSubjects ON SchoolSubjects.ssCode = TeachersSubjects.ssCode INNER JOIN

ClassDays INNER JOIN

Classes ON ClassDays.ClassID = Classes.ClassID INNER JOIN

Days ON ClassDays.DayID = Days.DayID ON TeachersSubjects.tsCode = Classes.tsCode INNER JOIN

Teachers ON TeachersSubjects.TeacherID = Teachers.TeacherID INNER JOIN

Forms ON Classes.FormID = Forms.FormID INNER JOIN

Terms ON Classes.TermID = Terms.TermID

Where TeachersSubjects.TeacherID = '20000'

Classes a student does:

SELECT DISTINCT SchoolSubjects.SchoolCode, SchoolSubjects.SchoolCode,StudentClasses.ClassID,Teachers.FirstName + ' ' + Teachers.LastName AS Teacher,

Subjects.Subject, Forms.FormName, Terms.TermName,

Classes.AcademicYear,Days.Day, ClassDays.StartTime, ClassDays.EndTime,

Students.FirstName +' '+ Students.LastName as Student

FROM Subjects INNER JOIN

SchoolSubjects ON Subjects.SubjectCode = SchoolSubjects.SubjectCode INNER JOIN

TeachersSubjects ON SchoolSubjects.ssCode = TeachersSubjects.ssCode INNER JOIN

ClassDays INNER JOIN

Classes ON ClassDays.ClassID = Classes.ClassID INNER JOIN

Days ON ClassDays.DayID = Days.DayID ON TeachersSubjects.tsCode = Classes.tsCode INNER JOIN

Teachers ON TeachersSubjects.TeacherID = Teachers.TeacherID INNER JOIN

Forms ON Classes.FormID = Forms.FormID INNER JOIN

Terms ON Classes.TermID = Terms.TermID INNER JOIN

StudentClasses ON Classes.ClassID = StudentClasses.ClassID INNER JOIN

Assessments ON StudentClasses.StudentClassID = Assessments.StudentClassID INNER JOIN

Students ON Forms.FormID = Students.FormID AND StudentClasses.StudentID = Students.StudentID

WHERE StudentClasses.StudentID = '18000002'

Order By FormName, AcademicYear ASC

**CREATING USER’S**

INSERT INTO Users

Select CONCAT(lower(SFirstName),'.',lower(SLastName),'.',DATEPART(DD,DOB),DATEPART(MM,DOB)) , 'password' , 'Student' , s.Email

FROM **Students** as s

INSERT INTO Users

Select CONCAT(lower(TFirstName),'.',lower(TMiddleInitial),'.',lower(TLastname),'.',DATEPART(DD,DOB),DATEPART(MM,DOB)) , 'password' , 'Teacher' , t.Email

FROM **Teachers** as t

INSERT INTO Users

Select CONCAT(lower(PFirstName),'.',lower(MiddleInitial),'.',lower(PLastname),'.',DATEPART(DD,DOB),DATEPART(MM,DOB)) , 'password' , 'Parent' , p.Email

FROM **Parents** as p

ASSESSMENTS PER CLASS:

select S.StudentID,c.SubjectCode,sub.SubjectName, a.AssessmentID, C.ClassID, a.Date, a.Score from Assessments as a

inner join studentclasses as sc on a.StudentClassesID = sc.StudentClassesID

inner join classes as c on sc.ClassID = c.ClassID

inner join subjects as sub on c.SubjectCode = sub.SubjectCode

inner join students as s on sc.StudentID = s.StudentID

where sc.StudentID = '20140000' AND c.ClassID = '1'

**STORED PROCEDURE:**

**PARENT’S CHILDREN**

CREATE PROCEDURE ParentChildren

@ParentID varchar(50)

AS

select s.StudentID, s.SFirstName +' ' + s.SLastName as Name, s.DOB, sch.SchoolName, s.AdmissionDat, s.ExpectedGraduationDate,

f.FormName, s.PriorEducation from students as s

inner join studentsparents as sp on sp.StudentID = s.StudentID

inner join parents as p on sp.ParentID = p.ParentID

inner join schools as sch on sch.SchoolCode = s.SchoolCode

inner join SchoolForms as f on s.FormID = f.FormID

where sp.ParentID = @ParentID

exec [dbo].[ParentChildren] @ParentID =101