CREATE TABLE tbl\_Student

(

SSO INT PRIMARY KEY,

StudentName VARCHAR(50),

Gender CHAR(1) CHECK (Gender = 'M' OR Gender = 'F'),

Degree VARCHAR(10),

Email VARCHAR(50),

ContactNumber BIGINT,

DOB Date,

Passwd VARCHAR(50),

)

DROP TABLE tbl\_Student

INSERT INTO tbl\_Student VALUES(12426434,'Sumanth Gunda','M','Masters','sgnw8@mail.umkc.edu',8166823758,'1993-07-30','UMKC@Sum@nth4032')

INSERT INTO tbl\_Student VALUES(16186322,'Goutham Donthu','M','Masters','gd6d9@mail.umkc.edu',8166823463,'03-27-1992','gou')

SELECT \* FROM tbl\_Student

CREATE TABLE tbl\_Instructor

(

InstructorId INT PRIMARY KEY,

InstructorName VARCHAR(50),

Gender CHAR(1) CHECK (Gender = 'M' OR Gender = 'F'),

Email VARCHAR(50),

ContactNumber BIGINT,

DOB Date,

Passwd VARCHAR(50),

)

SELECT \* FROM tbl\_Instructor

DROP TABLE tbl\_Instructor

INSERT INTO tbl\_Instructor VALUES(111,'BaekYoungChoi','F','choiby@mail.umkc.edu',9999999999,'1983-07-30','choi')

INSERT INTO tbl\_Instructor VALUES(112,'Lee','F','lee@mail.umkc.edu',9999999999,'1983-07-30','lee')

CREATE PROCEDURE usp\_Login(@Email VARCHAR(50),@Passwd VARCHAR(50))

AS

BEGIN

BEGIN TRY

IF EXISTS(SELECT Email FROM tbl\_Student WHERE Email = @Email)

BEGIN

IF EXISTS(SELECT Email,Passwd FROM tbl\_Student WHERE Email = @Email AND Passwd = @Passwd)

BEGIN

RETURN 1

END

ELSE

BEGIN

RETURN 2

END

END

ELSE IF EXISTS(SELECT Email FROM tbl\_Instructor WHERE Email = @Email)

BEGIN

IF EXISTS(SELECT Email,Passwd FROM tbl\_Instructor WHERE Email = @Email AND Passwd = @Passwd)

BEGIN

RETURN 3

END

ELSE

BEGIN

RETURN 4

END

END

ELSE

BEGIN

RETURN 5

END

END TRY

BEGIN CATCH

RETURN -99

END CATCH

END

CREATE PROCEDURE usp\_LoginService(@Name VARCHAR(50),@Passwd VARCHAR(50))

AS

BEGIN

BEGIN TRY

IF EXISTS(SELECT StudentName FROM tbl\_Student WHERE StudentName = @Name)

BEGIN

IF EXISTS(SELECT StudentName,Passwd FROM tbl\_Student WHERE StudentName = @Name AND Passwd = @Passwd)

BEGIN

RETURN 1

END

ELSE

BEGIN

RETURN 2

END

END

ELSE IF EXISTS(SELECT InstructorName FROM tbl\_Instructor WHERE InstructorName = @Name)

BEGIN

IF EXISTS(SELECT InstructorName,Passwd FROM tbl\_Instructor WHERE InstructorName = @Name AND Passwd = @Passwd)

BEGIN

RETURN 3

END

ELSE

BEGIN

RETURN 4

END

END

ELSE

BEGIN

RETURN 5

END

END TRY

BEGIN CATCH

RETURN -99

END CATCH

END

CREATE TABLE tbl\_SetAppointments

(

InstructorId INT CONSTRAINT srkey foreign key references tbl\_Instructor(InstructorId),

AppointmentDate DATE,

FromTime TIME(0),

ToTime TIME(0),

AppointmentDuration INT,

MaxAppointments INT,

PRIMARY KEY(InstructorId,AppointmentDate,FromTime,ToTime)

)

CREATE TABLE tbl\_AppointmentRequests

(

AppointmentId INT IDENTITY(1,1) PRIMARY KEY,

SSO INT CONSTRAINT srkey1 foreign key references tbl\_Student(SSO),

AppointmentDate DATE,

InstructorName VARCHAR(50),

AppointmentTime VARCHAR(50),

AppointmentType VARCHAR(50),

Description VARCHAR(200),

AppointmentStatus VARCHAR(20)

)

SELECT \* FROM tbl\_AppointmentRequests

DROP TABLE tbl\_AppointmentRequests

INSERT INTO tbl\_SetAppointments VALUES(111,'03-08-2015','05-08-2015','1:00','2:00',10,4)

SELECT \* FROM tbl\_SetAppointments

DROP TABLE tbl\_SetAppointments

CREATE PROCEDURE usp\_GetInstructorId(@Email VARCHAR(50),@InstructorId INT OUT)

AS

BEGIN

SET @InstructorId = 1

BEGIN TRY

SET @InstructorId = (SELECT InstructorId FROm tbl\_Instructor WHERE Email = @Email)

RETURN 1

END TRY

BEGIN CATCH

RETURN -1

END CATCH

END

CREATE PROCEDURE usp\_GetStudentId(@Email VARCHAR(50),@SSO INT OUT)

AS

BEGIN

SET @SSO = 1

BEGIN TRY

SET @SSO = (SELECT SSO FROm tbl\_Student WHERE Email = @Email)

RETURN 1

END TRY

BEGIN CATCH

RETURN -1

END CATCH

END

DROP PROCEDURE usp\_GetStudentId

CREATE PROCEDURE usp\_GetInstructorIdByname(@InstructorName VARCHAR(50),@InstructorId INT OUT)

AS

BEGIN

SET @InstructorId = 1

BEGIN TRY

SET @InstructorId = (SELECT InstructorId FROM tbl\_Instructor WHERE InstructorName = @InstructorName)

RETURN 1

END TRY

BEGIN CATCH

RETURN -1

END CATCH

END

ALTER PROCEDURE usp\_GetInstructorNameByEmail(@Email VARCHAR(50),@InstructorName VARCHAR(50) OUT)

AS

BEGIN

SET @InstructorName = 'Instructor'

BEGIN TRY

SET @InstructorName = (SELECT InstructorName FROM tbl\_Instructor WHERE Email = @Email)

RETURN 1

END TRY

BEGIN CATCH

RETURN -1

END CATCH

END

ALTER PROCEDURE usp\_SetAppointments(@InstructorId INT,@FromDate DATE,@ToDate DATE,@FromTime VARCHAR(20),@ToTime VARCHAR(20),@AppointmentDuration INT,@MaxAppointments INT)

AS

BEGIN

DECLARE @AppointmentDate DATE

DECLARE @Name VARCHAR(10)

SET @AppointmentDate = @FromDate

BEGIN TRY

WHILE(@AppointmentDate <= @ToDate)

BEGIN

SET @Name = (SELECT DATENAME(weekday,@AppointmentDate))

IF (@Name = 'Sunday' OR @Name = 'Saturday')

BEGIN

SET @AppointmentDate = (SELECT CAST((SELECT DATEADD(DAY,1,@AppointmentDate)) AS DATE))

END

ELSE

BEGIN

INSERT INTO tbl\_SetAppointments(InstructorId,AppointmentDate,FromTime,ToTime,AppointmentDuration,MaxAppointments) VALUES(@InstructorId,@AppointmentDate,@FromTime,@ToTime,@AppointmentDuration,@MaxAppointments)

SET @AppointmentDate = (SELECT CAST((SELECT DATEADD(DAY,1,@AppointmentDate)) AS DATE))

END

END

RETURN 1

END TRY

BEGIN CATCH

RETURN -99

END CATCH

END

SELECT DATENAME(weekday,'2015-03-07')

SELECT CAST((SELECT DATEADD(DAY,1,'2015-03-01')) AS DATE)

DROP PROCEDURE usp\_SetAppointments

SELECT AppointmentDate FROM tbl\_SetAppointments WHERE AppointmentDate = '2015-03-04' AND FromTime = '2:00' AND ToTime = '3:00'

SELECT t.SSO,t.StudentName,a.AppointmentDate,a.AppointmentTime,a.AppointmentType,a.Description,a.AppointmentStatus FROM tbl\_Student t INNER JOIN tbl\_AppointmentRequests a ON t.SSO = a.SSO AND a.InstructorName = 'BaekYoungChoi'

CREATE PROCEDURE AppRejAppointments(@AppointmentId INT,@StatusUpdate VARCHAR(50))

AS

BEGIN

BEGIN TRY

IF(@StatusUpdate = 'Approved')

BEGIN

UPDATE tbl\_AppointmentRequests SET AppointmentStatus = @StatusUpdate WHERE AppointmentId = @AppointmentId

RETURN 1

END

ELSE IF(@StatusUpdate = 'Rejected')

BEGIN

UPDATE tbl\_AppointmentRequests SET AppointmentStatus = @StatusUpdate WHERE AppointmentId = @AppointmentId

RETURN 2

END

END TRY

BEGIN CATCH

RETURN -99

END CATCH

END

CREATE TABLE tbl\_Course

(

CourseId VARCHAR(20) PRIMARY KEY,

CourseName VARCHAR(100),

StartDate DATE,

EndDate DATE,

Credits INT,

CourseDepartment VARCHAR(100)

)

SELECT \* FROM tbl\_Course

DROP TABLE tbl\_Course

INSERT INTO tbl\_Course VALUES('CS551MT','Software Meathods and Tools','01-20-2015','05-20-2015',3,'Computer Science And Electrical'),('CS550SE','Advanced Software Engineering','01-20-2015','05-20-2015',3,'Computer Science And Electrical')

INSERT INTO tbl\_Course VALUES('CS551NA','Network Architecture','01-20-2015','05-20-2015',3,'Computer Science And Electrical')

CREATE TABLE tbl\_CourseAllotment

(

CourseId VARCHAR(20) CONSTRAINT srkey5 foreign key references tbl\_Course(CourseId),

InstructorId INT CONSTRAINT srkey6 foreign key references tbl\_Instructor(InstructorId)

)

INSERT INTO tbl\_CourseAllotment VALUES('CS551MT',111),('CS550SE',112)

INSERT INTO tbl\_CourseAllotment VALUES('CS551NA',111)

CREATE TABLE tbl\_CoursePlan

(

CourseId VARCHAR(20) CONSTRAINT srkey8 foreign key references tbl\_Course(CourseId),

TopicDate DATE,

TopicName VARCHAR(100),

Assignment VARCHAR(50),

AssignmentDeadline DATE

)

INSERT INTO tbl\_CoursePlan VALUES('CS551MT','01-20-2015','Course Introduction','No Silver Bullet','01-26-2015'),

('CS551MT','01-22-2015','Software Development Process and Activities','',NULL),

('CS551MT','01-27-2015','Lab 1','Assignment 1','02-02-2015'),

('CS551MT','01-29-2015','UML Modelling 1','',NULL),

('CS551MT','02-03-2015','Lab 2','Assignment 2','02-09-2015'),

('CS551MT','02-05-2015','UML Modelling 2','',NULL),

('CS551MT','02-10-2015','Lab 3','Assignment 3','02-23-2015'),

('CS551MT','02-12-2015','Software Architecture and Design 1','',NULL),

('CS551MT','02-17-2015','Software Architecture and Design 2','',NULL),

('CS551MT','02-19-2015','Arch Studio','',NULL),

('CS551MT','02-24-2015','Lab 4','Assignment 4','03-11-2015'),

('CS551MT','02-26-2015','IDE and Eclipse','',NULL),

('CS551MT','03-03-2015','Eclipse Plug ins 1','',NULL),

('CS551MT','03-05-2015','Guest Lecture','',NULL),

('CS551MT','03-10-2015','Eclipse Plug ins 2','',NULL),

('CS551MT','03-12-2015','Lab 5','Assignment 5','04-15-2015'),

('CS551MT','03-17-2015','MidTerm Review','',NULL),

('CS551MT','03-19-2015','Midterm','',NULL),

('CS551MT','03-31-2015','Assignment Demo','',NULL),

('CS551MT','04-02-2015','Emacs','',NULL),

('CS551MT','04-07-2015','Lab 6','',NULL),

('CS551MT','04-09-2015','Testing','',NULL),

('CS551MT','04-14-2015','Junit','',NULL),

('CS551MT','04-16-2015','Lab 7','Assignment 7','04-27-2015'),

('CS551MT','04-21-2015','Version Control','',NULL),

('CS551MT','04-23-2015','Sub Version','',NULL),

('CS551MT','04-28-2015','Lab 8','Assignment 8','05-04-2015'),

('CS551MT','04-30-2015','GIT','',NULL),

('CS551MT','05-05-2015','Lab 9','Assignment 9','05-08-2015'),

('CS551MT','05-07-2015','Course Review','',NULL),

('CS551MT','05-11-2015','Final Exam','',NULL)

DROP TABLE tbl\_CoursePlan

SELECT \* FROM tbl\_CoursePlan

CREATE TABLE tbl\_CourseEnrollment

(

SSO INT CONSTRAINT srkey11 foreign key references tbl\_Student(SSO),

CourseId VARCHAR(20) CONSTRAINT srkey12 foreign key references tbl\_Course(CourseId)

)

SELECT \* FROM tbl\_CourseEnrollment

SELECT CourseId FROm tbl\_CourseEnrollment WHERE SSO = 12426434

DROP TABLE tbl\_CourseEnrollment

INSERT INTO tbl\_CourseEnrollment VALUES(12426434,'CS551MT'),(16186322,'CS551MT'),(16186322,'CS551NA')

SELECT CourseId,Assignment,AssignmentDeadline FROM tbl\_CoursePlan WHERE Assignment!= '' AND AssignmentDeadline >= GETDATE() AND AssignmentDeadline < DATEADD(dd,14,GETDATE()) AND CourseId IN (SELECT CourseId FROM tbl\_CourseEnrollment WHERE SSO = 16186322)

SELECT CourseId FROM tbl\_CourseEnrollment WHERE SSO = 16186322

SELECT TopicDate,TopicName FROM tbl\_CoursePlan WHERE TopicDate BETWEEN GETDATE() AND DATEADD(dd,45,GETDATE()) AND (TopicName LIKE 'Midterm' OR TopicName LIKE '%Exam%') AND CourseId IN (SELECT CourseId FROM tbl\_CourseEnrollment WHERE SSO = 16186322)

SELECT tbl\_Course.CourseId, tbl\_Course.CourseName, tbl\_Course.StartDate, tbl\_Course.EndDate, tbl\_Course.Credits

FROM tbl\_Course INNER JOIN

tbl\_CourseAllotment ON tbl\_Course.CourseId = tbl\_CourseAllotment.CourseId AND tbl\_CourseAllotment.InstructorId = '111'

CREATE TABLE tbl\_Performance

(

SSO INT CONSTRAINT srkey21 foreign key references tbl\_Student(SSO),

CourseId VARCHAR(20) CONSTRAINT srkey22 foreign key references tbl\_Course(CourseId),

TopicName VARCHAR(50),

TotalMarks INT,

MarksObtained INT,

Percentage INT,

Comments VARCHAR(200)

)

SELECT \* FROM tbl\_Performance

DROP TABLE tbl\_Performance

SELECT TopicName FROM tbl\_CoursePlan WHERE CourseId ='CS551MT' AND TopicName LIKE '%Lab%'

SELECT Assignment FROM tbl\_CoursePlan WHERE CourseId ='CS551MT' AND Assignment != ''

SELECT \* FROM tbl\_Performance WHERE SSO = 12426434

SELECT COUNT(\*) FROm tbl\_Performance WHERE CourseId ='CS551MT' AND TopicName = 'Assignment 1' AND Percentage > 90 AND Percentage <=100

CREATE PROCEDURE usp\_AnalyzePerformance(@CourseId VARCHAR(10),@TopicName VARCHAR(50),@Top1 INT OUT,@Top2 INT OUT,@Top3 INT OUT,@Top4 INT OUT,@Top5 INT OUT)

AS

BEGIN

SET @Top1 = 0

SET @Top2 = 0

SET @Top3 = 0

SET @Top4 = 0

SET @Top5 = 0

BEGIN TRY

SET @Top1 = (SELECT COUNT(\*) FROm tbl\_Performance WHERE TopicName = @TopicName AND CourseId = @CourseId AND Percentage > 90 AND Percentage <=100)

SET @Top2 = (SELECT COUNT(\*) FROm tbl\_Performance WHERE TopicName = @TopicName AND CourseId = @CourseId AND Percentage > 80 AND Percentage <=90)

SET @Top3 = (SELECT COUNT(\*) FROm tbl\_Performance WHERE TopicName = @TopicName AND CourseId = @CourseId AND Percentage > 70 AND Percentage <=80)

SET @Top4 = (SELECT COUNT(\*) FROm tbl\_Performance WHERE TopicName = @TopicName AND CourseId = @CourseId AND Percentage > 60 AND Percentage <=70)

SET @Top5 = (SELECT COUNT(\*) FROm tbl\_Performance WHERE TopicName = @TopicName AND CourseId = @CourseId AND Percentage <=60)

RETURN 1

END TRY

BEGIN CATCH

RETURN -99

END CATCH

END