

Hasanain Al _Sabonchi

1)

```
CREATE TABLE ContactType
(
ContactTypeID INT IDENTITY (1,1) NOT NULL PRIMARY KEY,
ContactType VARCHAR(100)
);
```

.....

```
CREATE TABLE CourseList
(
CourseID INT IDENTITY (1,1) NOT NULL PRIMARY KEY,
CourseDescription NTEXT ,
CourseCost MONEY,
CourseDurationYears int,
Notes VARCHAR(255)
);
```

.....

```
CREATE TABLE STUDENT_COURSE
(
StudentCourseID INT IDENTITY (1,1) NOT NULL PRIMARY KEY,
Student_ID INT NOT NULL,
CourseID INT NOT NULL,
CourseStartDate Date not NULL,
CourseComplete VARCHAR(50)
);
```

.....

```

CREATE TABLE StudentInformation(
Student_ID INT IDENTITY(1,1) NOT NULL PRIMARY KEY,
Title VARCHAR(50) ,
FirstName VARCHAR(50) NOT NULL,
LastName VARCHAR(50) NOT NULL,
Adress1 VARCHAR(100) NOT NULL,
Adress2 VARCHAR(100) ,
City VARCHAR(50),
County VARCHAR(50),
Zip VARCHAR(10),
Country VARCHAR(50),
Telephone VARCHAR(50) NOT NULL,
ALTTelephone VARCHAR(50),
Eamil VARCHAR(255) ,
DOB VARCHAR(200) ,
ENROLLED DATETIME,
LastChanged DATETIME ,
Updateby VARCHAR(100)

```

.....

```

CREATE TABLE Contacts(
ContactID INT IDENTITY (1,1) NOT NULL PRIMARY KEY,
Student_ID INT NOT NULL,
ContactTypeID INT NOT NULL ,
ContactDate DATETIME ,
EmployeeID INT NOT NULL,
ContactDetails NTEXT
);

```

...../.....

```

CREATE TABLE Empolyees(

```

```

EmployeeID INT IDENTITY(1,1) NOT NULL PRIMARY KEY,
EmployeeName VARCHAR(255) NOT NULL,
EmployeePeositionID INT NOT NULL,
ACCESS VARCHAR(255)

);

CREATE TABLE EmpJobPosition(
EmployeePeositionID INT IDENTITY (1,1) NOT NULL PRIMARY KEY,
EmployeePosition VARCHAR(255) NOT NULL
);

```

2)

```

ALTER TABLE Empolyees
ADD CONSTRAINT fk_Empolyees_EmpJobPosition FOREIGN KEY
(EmployeePeositionID) REFERENCES EmpJobPosition (EmployeePeositionID);

```

```

ALTER TABLE Contacts
ADD CONSTRAINT fk_Contacts_Employee FOREIGN KEY
(EmployeeID) REFERENCES Empolyees (EmployeeID);

```

```

ALTER TABLE Contacts
ADD CONSTRAINT fk_Contacts_ContactType FOREIGN KEY
(ContactTypeID) REFERENCES ContactType (ContactTypeID);

```

```

ALTER TABLE Contacts
ADD CONSTRAINT fk_Contacts_StudentInformation FOREIGN KEY

```

(Student_ID) REFERENCES StudentInformation (Student_ID);

.....

ALTER TABLE STUDENT_COURSE

ADD CONSTRAINT fk_STUDENT_COURSE_CourseList FOREIGN KEY

(CourseID) REFERENCES CourseList (CourseID)

ALTER TABLE STUDENT_COURSE

ADD CONSTRAINT fk_STUDENT_COURSE_CourseList FOREIGN KEY

(CourseID) REFERENCES CourseList (CourseID)

ALTER TABLE STUDENT_COURSE

ADD CONSTRAINT fk_STUDENT_COURSE_StudentInformation FOREIGN KEY

(Student_ID) REFERENCES StudentInformation (Student_ID)

3)

CREATE INDEX IX_LastNam ON StudentInformation (LastName)

4)

ALTER TABLE StudentInformation

ADD CreatedDateTime DATETIME

5)

ALTER TABLE StudentInformation

ADD DEFAULT 'US' FOR Country

Go

6)

ALTER TABLE StudentInformation

DROP COLUMN ALTTelephone

7)

A

```
CREATE PROCEDURE uspINSERT AS
INSERT INTO StudentInformation
(
    Title,
    FirstName,
    LastName,
    Adress1,
    Adress2,
    City,
    County,
    Zip,
    Country,
    Telephone,
    Eamil,
    DOB,
    ENROLLED,
    LastChanged,
    Updateby,
    CreatedDateTime
)

VALUES
('Developer','JOHN','SMITH',
'800 HAMEL','1800 RODEO','N.J','N.J','92066',
'USA','1233333','JSMITH@GMAIL.COM',
GETDATE(),'08/22/2016','08/22/2016','ZENON','GETDATE()
),

('programmer','jay','jose',
'800 HAMEL','1800 RODEO','N.J','N.J','90045',
'USA','56896','jose@GMAIL.COM',
GETDATE(),'','','ZENON','GETDATE()
),
(
'Data Analyst','Zelada','German',
'800 HAMEL','1800 RODEO','N.J','N.J','90026',
'USA','444444','ZELada@GMAIL.COM',
GETDATE(),'','','ZENON','GETDATE()
);
```

B

```
PROCEDURE USP_UpdateCountry
@StudentId INT
AS
UPDATE StudentInformation
SET Country = 'BRUIN NATION'
WHERE Student_ID = @StudentId
--EXEC USP_UpdateCountry 16
```

C)

```
CREATE PROCEDURE USP_DELETEcountry
@StudentId INT
AS
delete FROM StudentInformation
WHERE Student_ID=@StudentId

EXEC USP_DELETEcountry @StudentId =14
```

8)

```
CREATE VIEW DispalyName
AS
SELECT FirstName,LastName
FROM
StudentInformation
```

Select * from DispalyName

9)

```
CREATE VIEW V_StudentInfo2
AS
SELECT
RTRIM(FirstName)+RTRIM(LastName)+RTRIM(Title) AS StudentDispalyName
```

FROM
StudentInformation

Select * from
V_StudentInfo2

10)

ALTER TRIGGER TRG_SETUPPERCASE ON StudentInformation

FOR

INSERT

AS

Update StudentInformation

SET Country = UPPER(Country)

WHERE StudentInformation.Student_ID = (SELECT Student_ID FROM INSERTED);