1)

CREATE DATABASE myDB;

GO USE myDB GO

2)

CREATE TABLE myDB.dbo.Customers (

CustomerID int NOT NULL,

FirstName varchar(255),

LastName varchar(255),

Email varchar(100),

PhoneNumber varchar(100),

ClassCode int,

CONSTRAINT PK\_Customers PRIMARY KEY (CustomerID)

);

GO

3)

ALTER TABLE

Customers

ADD

Age int;

GO

4)

INSERT INTO Customers(

CustomerID, FirstName, LastName, Email,

PhoneNumber, ClassCode, Age

)

VALUES

(

1, 'FirstA', 'LastA', 'FirstA@gmail.com',

0911234567, 1, 20

),

(

2, 'FirstB', 'LastB', 'FirstB@hotmail.com',

0911234567, 2, 21

),

(

3, 'FirstC', 'LastC', 'FirstC@hotmail.com',

0929876543, 3, 22

),

(

4, 'FirstD', 'LastD', 'FirstD@gmail.com',

0937894561, 2, 22

);

5)

CREATE TABLE myDB.dbo.CustomerClass (

ClassCode int NOT NULL,

ClassDescription varchar(255),

CONSTRAINT PK\_CustomerClass PRIMARY KEY (ClassCode)

);

GO

6)

INSERT INTO CustomerClass(ClassCode, ClassDescription)

VALUES

(1, 'Classic'),

(2, 'Gold'),

(3, 'Platinum');

7)

ALTER TABLE Customers

ADD FOREIGN KEY (ClassCode) REFERENCES CustomerClass(ClassCode);

GO

8)

SELECT \* from Customers;

SELECT \* from CustomerClass;

9)

SELECT \* from Customers WHERE FirstName = 'FirstD';

10)

SELECT

\*

FROM

Customers FULL

OUTER JOIN CustomerClass ON Customers.ClassCode = CustomerClass.ClassCode;

11)

SELECT DISTINCT Age FROM Customers;

12)

SELECT \* FROM Customers ORDER BY PhoneNumber;

13)

SELECT \* FROM Customers WHERE Email LIKE '%hotmail%';

14)

SELECT MAX(ClassCode) FROM Customers;

15)

UPDATE

Customers

SET

Email = 'tastai@mycostech.com'

WHERE

CustomerID = 1;

GO

16)

SELECT

Top 1 \*

FROM

Customers

ORDER by

CustomerID DESC;

17)

SELECT

CC.ClassDescription

FROM

Customers as C

JOIN CustomerClass as CC ON C.ClassCode = CC.ClassCode

WHERE

C.PhoneNumber LIKE '%7894561%'

18)

SELECT

\*

FROM

Customers as C

JOIN CustomerClass as CC ON C.ClassCode = CC.ClassCode

WHERE

CC.ClassDescription LIKE 'Gold'

19)

DELETE FROM

Customers

WHERE

FirstName = 'FirstD';

20)

CREATE VIEW [CustomerDetail] AS

SELECT

\*

FROM

Customers GO

21)

SELECT \* FROM [CustomerDetail];