**INDEX**

CREATE TABLE Employee

(

Id INT,

Name VARCHAR(50),

Salary INT,

Gender VARCHAR(10),

City VARCHAR(50),

Dept VARCHAR(50)

)

GO

INSERT INTO Employee VALUES (3,'Pranaya', 4500, 'Male', 'New York', 'IT')

INSERT INTO Employee VALUES (1,'Anurag', 2500, 'Male', 'London', 'IT')

INSERT INTO Employee VALUES (4,'Priyanka', 5500, 'Female', 'Tokiyo', 'HR')

INSERT INTO Employee VALUES (5,'Sambit', 3000, 'Male', 'Toronto', 'IT')

INSERT INTO Employee VALUES (7,'Preety', 6500, 'Female', 'Mumbai', 'HR')

INSERT INTO Employee VALUES (6,'Tarun', 4000, 'Male', 'Delhi', 'IT')

INSERT INTO Employee VALUES (2,'Hina', 500, 'Female', 'Sydney', 'HR')

INSERT INTO Employee VALUES (8,'John', 6500, 'Male', 'Mumbai', 'HR')

INSERT INTO Employee VALUES (10,'Pam', 4000, 'Female', 'Delhi', 'IT')

INSERT INTO Employee VALUES (9,'Sara', 500, 'Female', 'London', 'IT')

**VIEWS**

CREATE TABLE Employee

(

ID INT PRIMARY KEY,

Name VARCHAR(50),

Gender VARCHAR(50),

DOB DATETIME,

DeptID INT

)

select \* from Employee

INSERT INTO Employee VALUES(1, 'Pranaya', 'Male','1996-02-29 10:53:27.060', 1)

INSERT INTO Employee VALUES(2, 'Priyanka', 'Female','1995-05-25 10:53:27.060', 2)

INSERT INTO Employee VALUES(3, 'Anurag', 'Male','1995-04-19 10:53:27.060', 2)

INSERT INTO Employee VALUES(4, 'Preety', 'Female','1996-03-17 10:53:27.060', 3)

INSERT INTO Employee VALUES(5, 'Sambit', 'Male','1997-01-15 10:53:27.060', 1)

INSERT INTO Employee VALUES(6, 'Hina', 'Female','1995-07-12 10:53:27.060', 2)

INSERT INTO Employee (ID, Name, Gender, DOB, DeptID) VALUES(7, 'Rohit' , 'Male', '1995-04-19 10:53:27.060', 3)

UPDATE Employee SET

Name = 'Rohit Kumar',

DOB = '1996-02-29 10:53:27.060',

DeptID = 1

WHERE ID = 7

**TRANSACTIONS**

CREATE TABLE Product

(

ProductID INT PRIMARY KEY,

Name VARCHAR(40),

Price INT,

Quantity INT

)

select \* from Product

INSERT INTO Product VALUES(101, 'Product-1', 100, 10)

INSERT INTO Product VALUES(102, 'Product-2', 200, 15)

INSERT INTO Product VALUES(103, 'Product-3', 300, 20)

INSERT INTO Product VALUES(104, 'Product-4', 400, 25)

BEGIN TRANSACTION

INSERT INTO Product VALUES(105,'Product-5',500, 30)

UPDATE Product SET Price =350 WHERE ProductID = 103

DELETE FROM Product WHERE ProductID = 103

COMMIT TRANSACTION

BEGIN TRANSACTION

INSERT INTO Product VALUES(106,'Product-6',600, 30)

UPDATE Product SET Price =550 WHERE ProductID = 105

DELETE FROM Product WHERE ProductID = 104