**CLASS TASK-2**

CREATE DATABASE EmployeeRecords;

--

USE master;

ALTER DATABASE EmployeeRecords MODIFY NAME = HR\_Database;

--

ALTER DATABASE HR\_Database SET SINGLE\_USER WITH ROLLBACK IMMEDIATE;

DROP DATABASE HR\_Database;

--

CREATE TABLE Customers (

CustomerID INT PRIMARY KEY,

FullName VARCHAR(100),

Email VARCHAR(100),

Phone VARCHAR(15),

DateJoined DATE

);

--

ALTER TABLE Customers

ADD Address VARCHAR(200);

--

EXEC sp\_rename 'Customers', 'ClientDetails';

--

DROP TABLE ClientDetails;

--

CREATE TABLE Customers (

CustomerID INT PRIMARY KEY,

FullName VARCHAR(100),

Email VARCHAR(100),

Phone VARCHAR(15),

DateJoined DATE,

Address VARCHAR(200)

);

--

INSERT INTO Customers (CustomerID, FullName, Email, Phone, DateJoined, Address)

VALUES

(1, 'Amal', 'amal@gmail.com', '1234567890', '2019-03-15', 'New York'),

(2, 'Bobby ', 'boby@yahoo.com', '9876543210', '2020-07-20', 'Los Angeles'),

(3, 'James ', 'james@outlook.com', NULL, '2021-01-10', 'Chicago'),

(4, 'Jenny ', 'jenny@gmail.com', '5551234567', '2022-09-05', 'New York'),

(5, 'Dav', 'dav@yahoo.com', '4449876543', '2018-11-30', 'Houston');

--

UPDATE Customers

SET Email = 'james.smith@university.edu'

WHERE CustomerID = 3;

--

DELETE FROM Customers

WHERE CustomerID = 5;

--

INSERT INTO Customers (CustomerID, FullName, Email, Phone, DateJoined, Address)

VALUES

(6, 'Julia ', 'julia@gmail.com', '3334445566', '2023-01-25', 'Miami'),

(7, 'John ', 'john@gmail.com', NULL, '2017-12-10', 'New York');

--

SELECT FullName, Email FROM Customers;

--

SELECT \* FROM Customers

WHERE DateJoined > '2020-01-01';

--

SELECT \* FROM Customers

WHERE FullName LIKE 'J%';

--

SELECT \* FROM Customers

WHERE Phone IS NULL;

--

SELECT \* FROM Customers

WHERE CustomerID IN (1, 3, 7);

--

SELECT DISTINCT

RIGHT(Email, LEN(Email) - CHARINDEX('@', Email)) AS EmailDomain

FROM Customers;

--

SELECT \* FROM Customers

WHERE Address = 'New York' OR DateJoined < '2019-06-01';

--

SELECT \* FROM Customers

WHERE DateJoined BETWEEN '2018-01-01' AND '2023-12-31';

--

SELECT

C.FullName AS Name,

C.Email AS EmailAddress,

C.Address AS City

FROM Customers AS C;

--

ALTER TABLE Customers ADD Age INT;

--

UPDATE Customers SET Age = 30 WHERE CustomerID = 1;

UPDATE Customers SET Age = 26 WHERE CustomerID = 2;

UPDATE Customers SET Age = 28 WHERE CustomerID = 3;

UPDATE Customers SET Age = 22 WHERE CustomerID = 4;

UPDATE Customers SET Age = 35 WHERE CustomerID = 6;

UPDATE Customers SET Age = 32 WHERE CustomerID = 7;

--

SELECT \* FROM Customers

WHERE Age > 25 AND Address = 'Chicago';