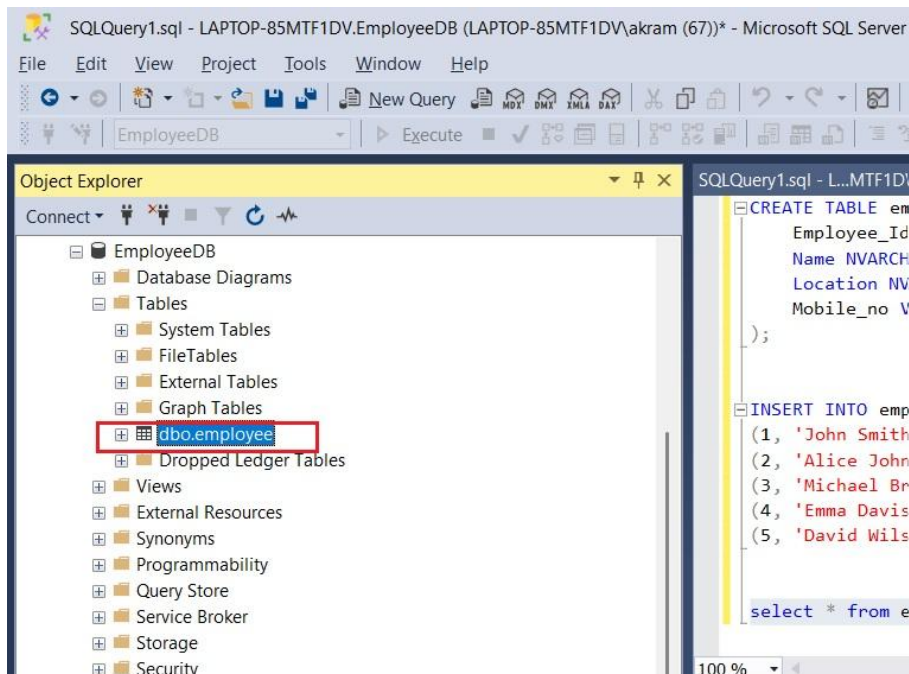
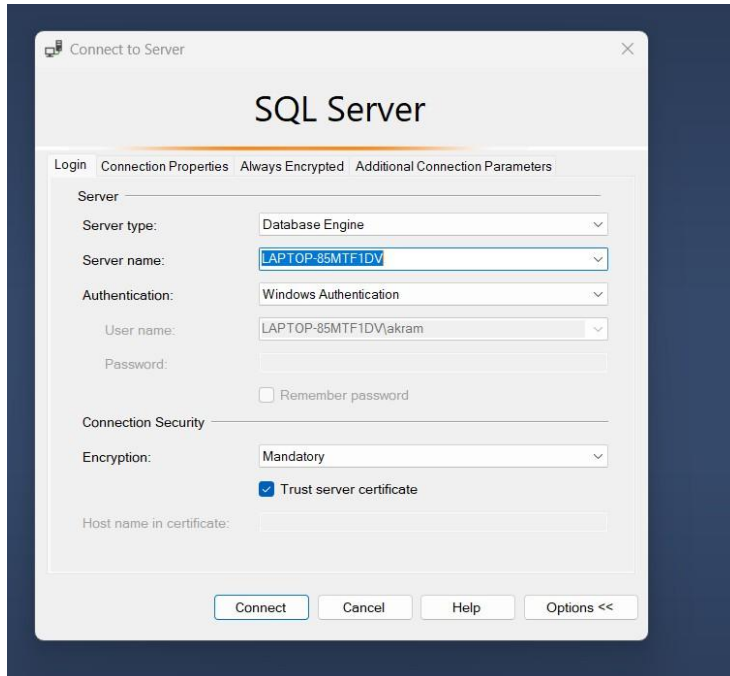
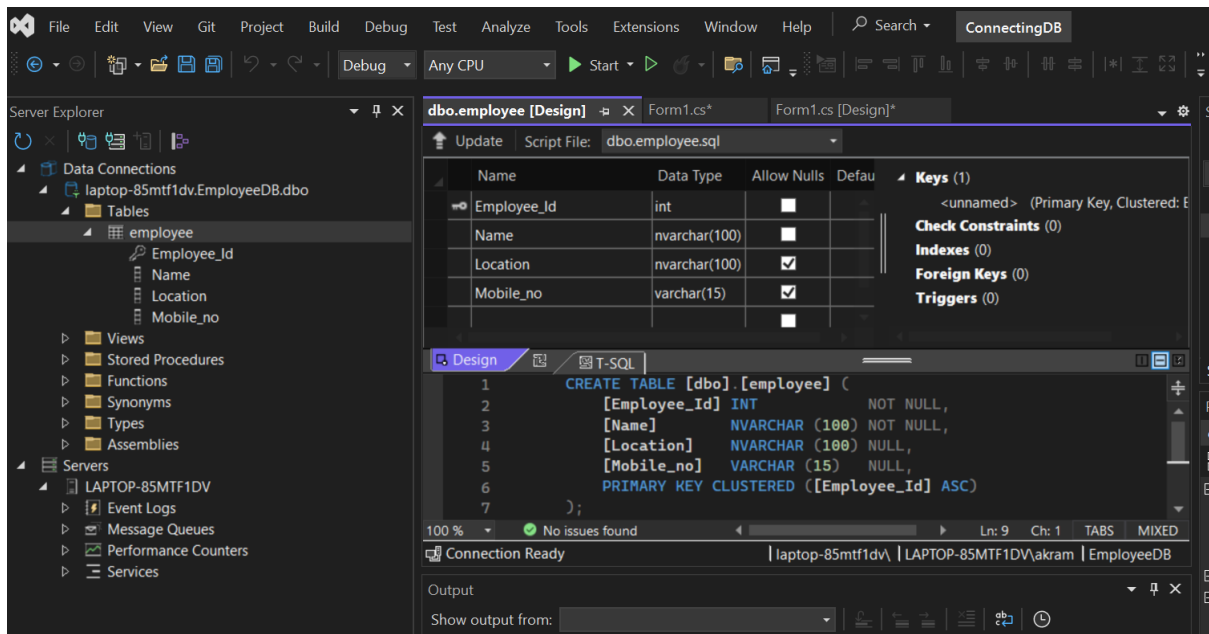
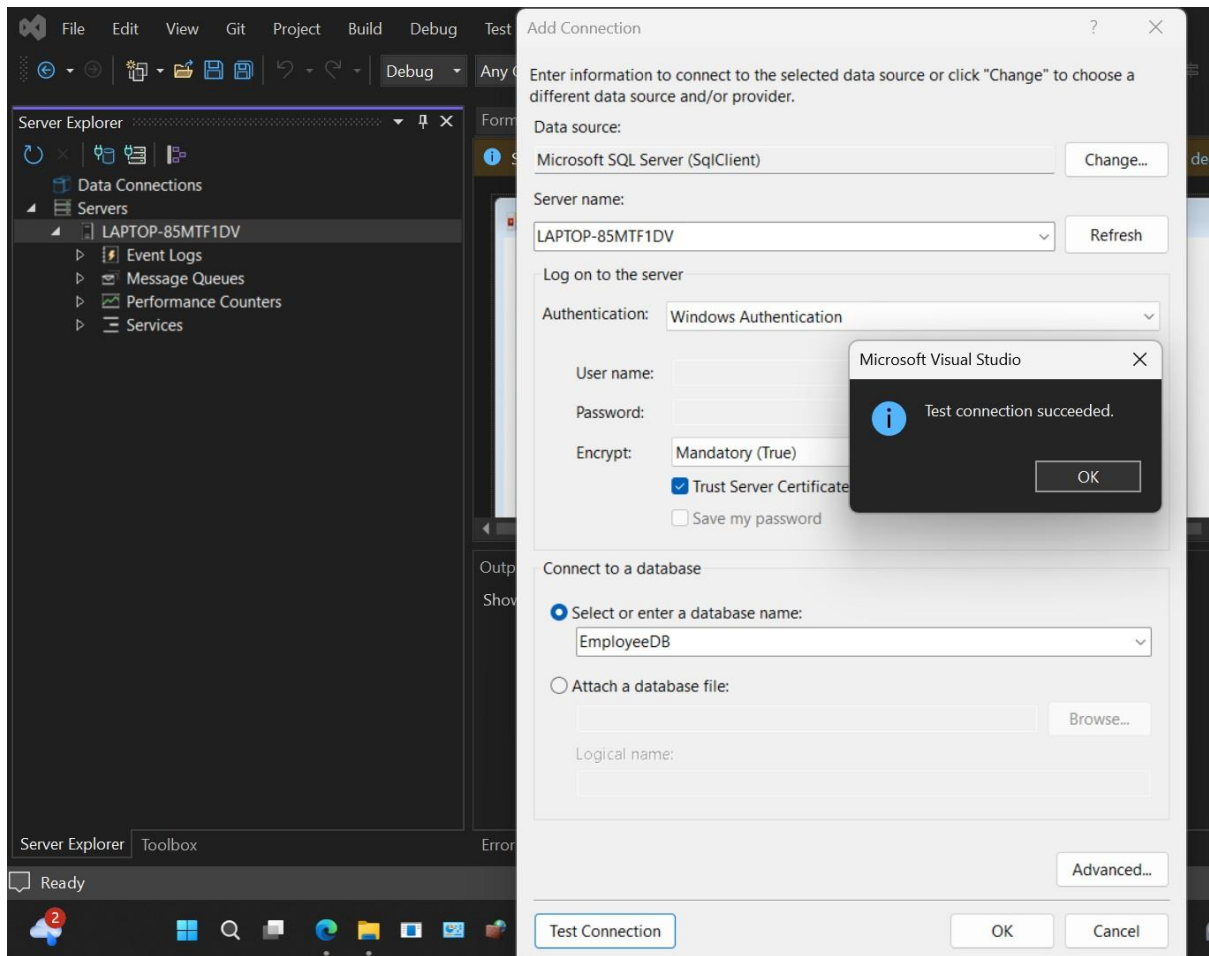


ASSIGNMENT 4

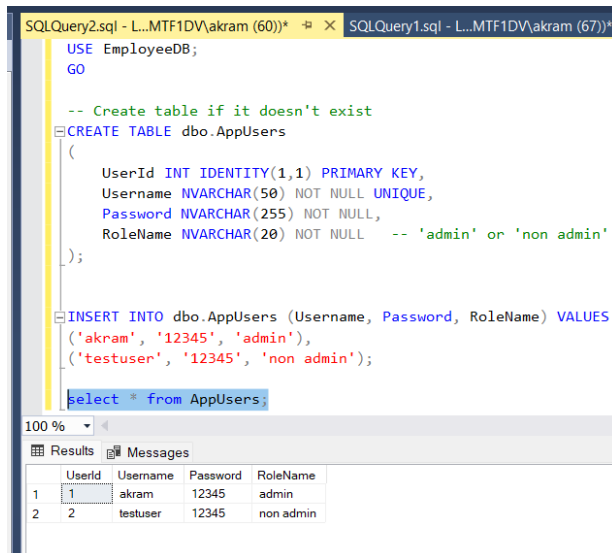
QUESTION 1: Connecting to database





QUESTION 2 : User registration windows forms

DESCRIPTION: Create a dummy data table as show below and insert dummy data into that, Create a windows application that has two textbox with username and password fields, a dropdown list with elements admin and non admin, design three windows forms one for login, one to print “hello admin” message and one for to print “hello user ” message.



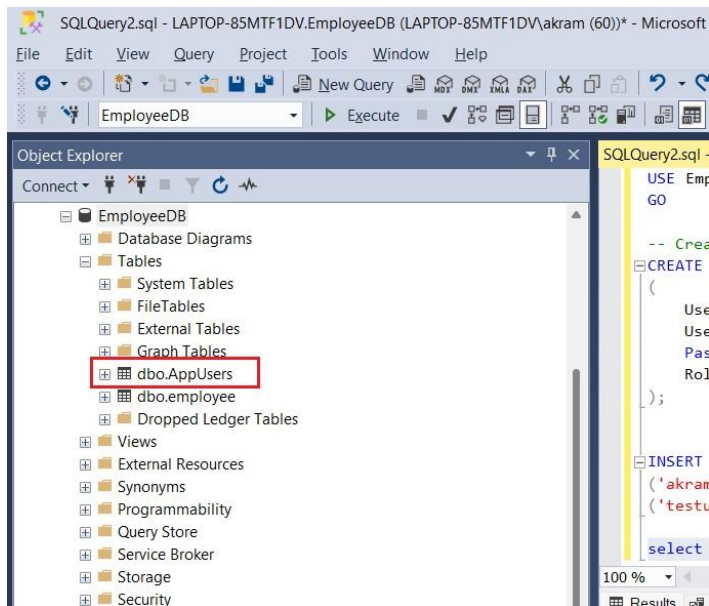
```
USE EmployeeDB;
GO

-- Create table if it doesn't exist
CREATE TABLE dbo.AppUsers
(
    UserId INT IDENTITY(1,1) PRIMARY KEY,
    Username NVARCHAR(50) NOT NULL UNIQUE,
    Password NVARCHAR(255) NOT NULL,
    RoleName NVARCHAR(20) NOT NULL -- 'admin' or 'non admin'
);

INSERT INTO dbo.AppUsers (Username, Password, RoleName) VALUES
('akram', '12345', 'admin'),
('testuser', '12345', 'non admin');

select * from AppUsers;
```

	UserId	Username	Password	RoleName
1	1	akram	12345	admin
2	2	testuser	12345	non admin



SQLQuery2.sql - LAPTOP-85MTF1DV.EmployeeDB (LAPTOP-85MTF1DV\akram (60))* - Microsoft

File Edit View Query Project Tools Window Help

EmployeeDB Execute

Object Explorer

- EmployeeDB
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.AppUsers**
 - dbo.employee
 - Dropped Ledger Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security

SQLQuery2.sql -

```
USE Emp
GO

-- Crea
CREATE
(
    Use
    Use
    Pas
    Rol
);

INSERT
('akram
('testu
select
```

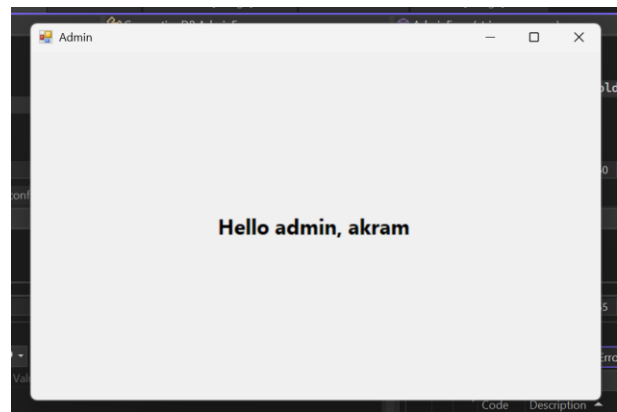
DB Connection

USERNAME

PASSWORD

ROLE

Login



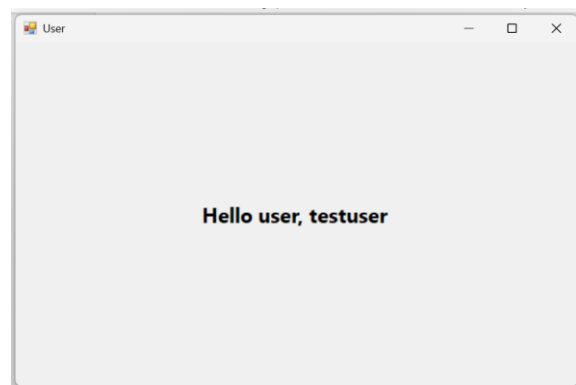
DB Connection

USERNAME

PASSWORD

ROLE

Login



QUESTION 3 : CRUD Operations DESCRIPTION: Create a table in MSSQL Server database in the name of employee, with four columns Employee_Id, Name, Location, and Mobile_no. and insert some dummy data into that.

Table creation

```
SQLQuery1.sql - L_MTF1DV\akram (67)) *
CREATE TABLE employee (
    Employee_Id INT PRIMARY KEY,
    Name NVARCHAR(100) NOT NULL,
    Location NVARCHAR(100),
    Mobile_no VARCHAR(15)
);

INSERT INTO employee (Employee_Id, Name, Location, Mobile_no) VALUES
(1, 'John Smith', 'New York', '1234567890'),
(2, 'Alice Johnson', 'Los Angeles', '9876543210'),
(3, 'Michael Brown', 'Chicago', '5551112233'),
(4, 'Emma Davis', 'Houston', '4442221133'),
(5, 'David Wilson', 'Miami', '3338889999');

select * from employee;
```

Employee_Id	Name	Location	Mobile_no
1	John Smith	New York	1234567890
2	Alice Johnson	Los Angeles	9876543210
3	Michael Brown	Chicago	5551112233
4	Emma Davis	Houston	4442221133
5	David Wilson	Miami	3338889999

Form1

Employee_Id

3

Name

Michael Brown

Location

Chicago

Mobile

5551112233

Create

Update

Delete

Reset

	Employee_Id	Name	Location	Mobile_no
	1	John Smith	New York	1234567890
	2	Alice Johnson	Los Angeles	9876543210
▶	3	Michael Brown	Chicago	5551112233
	4	Emma Davis	Houston	4442221133
	5	David Wilson	Miami	3338889999

Delete

Form1

Employee_Id: 5

Name: David Wilson

Location: Miami

Mobile: 3338889999

Create Update Delete Reset

Confirm

Delete employee 5?

Yes No

Employee_Id	Name	Location	Mobile_no
1	John Smith	New York	1234567890
2	Alice Johnson	Los Angeles	9876543210
3	Michael Brown	Chicago	5551112233
4	Emma Davis	Houston	4442221133
5	David Wilson	Miami	3338889999

Form1

Employee_Id: 4

Name: Emma Davis

Location: Houston

Mobile: 4442221133

Create Update Delete Reset

Employee_Id	Name	Location	Mobile_no
1	John Smith	New York	1234567890
2	Alice Johnson	Los Angeles	9876543210
3	Michael Brown	Chicago	5551112233
4	Emma Davis	Houston	4442221133

Creation

Form1

Employee_Id: 5

Name: John Smith

Location: Atlanta

Mobile: 4442212345

Create Update Delete Reset

Employee_Id	Name	Location	Mobile_no
1	John Smith	New York	1234567890
2	Alice Johnson	Los Angeles	9876543210
3	Michael Brown	Chicago	5551112233
4	Emma Davis	Houston	4442221133

Form1

Employee_Id: 5

Name: John Smith

Location: Atlanta

Mobile: 4442212345

Create Update Delete Reset

	Employee_Id	Name	Location	Mobile_no
	1	John Smith	New York	1234567890
	2	Alice Johnson	Los Angeles	9876543210
	3	Michael Brown	Chicago	5551112233
	4	Emma Davis	Houston	4442221133
▶	5	John Smith	Atlanta	4442212345

Update

Form1

Employee_Id: 5

Name: John Sam

Location: London

Mobile: 00785812345678

Create Update Delete Reset

	Employee_Id	Name	Location	Mobile_no
	1	John Smith	New York	1234567890
	2	Alice Johnson	Los Angeles	9876543210
	3	Michael Brown	Chicago	5551112233
	4	Emma Davis	Houston	4442221133
▶	5	John Smith	Atlanta	4442212345

Form1

Employee_Id: 5

Name: John Sam

Location: London

Mobile: 00735812345678

Create Update Delete Reset

	Employee_Id	Name	Location	Mobile_no
	1	John Smith	New York	1234567890
	2	Alice Johnson	Los Angeles	9876543210
	3	Michael Brown	Chicago	5551112233
	4	Emma Davis	Houston	4442221133
▶	5	John Sam	London	00735812345...

Form1

Employee_Id:

Name:

Location:

Mobile:

Create Update Delete Reset

	Employee_Id	Name	Location	Mobile_no
	1	John		
	2	Alice		
	3	Mich		
	4	Emm		
▶	5	John Sam	London	00735812345...

Employee_Id must be a whole number.

OK