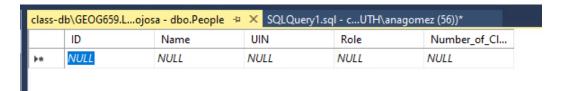**Lab 4 SQL Basics Submission Template**
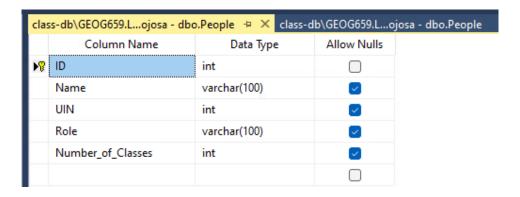
Your name: Ana Hinojosa

- Question 1

Use **CREATE** statement to create a new table named People in the database, which contains 5 columns. Insert your SQL code and the screenshot of the table.

Insert your code (2.5 pts):

```
class-db\GEOG659.L...ojosa - dbo.People        SQLQuery1.sql - c...UTH\anagomez (56))*  ⊟ ✕
CREATE TABLE People (
  ID int,
  Name varchar(100),
  UIN int,
  Role varchar(100),
  Number_of_Classes int,
  PRIMARY KEY (ID),
);
```

Inset your result (2.5 pts):

ID	Name	UIN	Role	Number_of_Cl...
NULL	NULL	NULL	NULL	NULL

Column Name	Data Type	Allow Nulls
ID	int	☐
Name	varchar(100)	☑
UIN	int	☑
Role	varchar(100)	☑
Number_of_Classes	int	☑
		☐

- Question 2

Using **Insert** Statement inserts following records into the ***People*** table.

ID	Name	UIN	Role	Number_of_Classes
1	Daniel Goldberg	522000350	Faculty	3
2	Andrew Klein	222002011	Faculty	2
3	Heng Cai	867530999	Faculty	3
4	Xiao Li	342523678	Student	3
5	Carl Green	456547545	Teaching Assistant	5
6	**Yourself !**			

Insert your code (2.5 pts):

```
class-db\GEOG659.L...ojosa - dbo.People     SQLQuery2.sql - c...UTH\anagomez (55))*  -� ✕  SQLQuery1.sql - c...UTH\anagomez (56

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (1, 'Daniel Goldberg', 521990350, 'Faculty', 3)

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (2, 'Andrew Klein', 221992011, 'Faculty', 2)

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (3, 'Johnny Louis', 86725399, 'Student', 7)

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (4, 'Luis Martinez', 123456789, 'Student', 3)

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (5, 'Carl Green', 456557545, 'Teaching Assistant', 5)

INSERT INTO People (ID, Name, UIN, Role, Number_of_Classes)
VALUES (6, 'Ana Hinojosa', 724003370, 'Student', 2);
```

Insert your result (2.5 pts):

Question 3

- Using Update Statement to edit Xiao Li's Role. The new value of Xiao Li's Role is Teaching Assistant.

Insert your code (5 pts):


```
UPDATE People
    SET Role = 'Teaching Assistant'
    WHERE ID = 4;
```

Insert your result (5 pts):

Question 4

- Using Select Statement to extract Name and UIN of the people who are Faculty

Insert your code (5 pts):

```
SQLQuery4.sql - c...UTH\anagomez (60))*    ⊣  ×  SQLQuery3.sql - c...UTH\anagomez (59))*
SELECT NAME, UIN
FROM People
WHERE Role = 'Faculty';
```

Insert your result (5 pts):

	NAME	UIN
1	Daniel Goldberg	521990350
2	Andrew Klein	221992011

Question 5

Using Select Statement to extract Name and Number_of_classes of Students who are taking more than 2 classes.
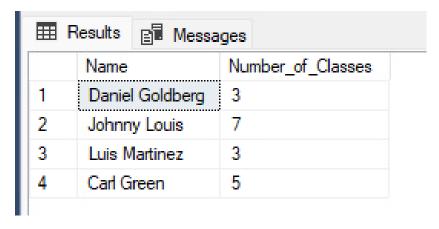
Insert your code (5 pts):

```
SQLQuery5.sql - c...UTH\anagomez (65))*    ⊣  ×  SQLQuery4.sql - c...UTH\anagomez (60))*
SELECT Name, Number_of_Classes
FROM People
WHERE Number_of_Classes > 2;
```

Insert your result (5 pts):

- Question 6

Using Count Function and GROUP BY clause to count the number of people in different Roles (Faculty, Student, and Teaching Assistant)

Insert your code (5 pts):

```sql
SELECT Role, COUNT(*) AS Number_of_People
FROM People
GROUP BY Role;
```

Insert your result (5 pts):