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----- CIS 310 ASSIGNMENT 6 -----

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/*

STUDENT NAME: Jackson Hallahan

STUDENT ID: 1884213

SUBMISSION DATE: 3/10/2024

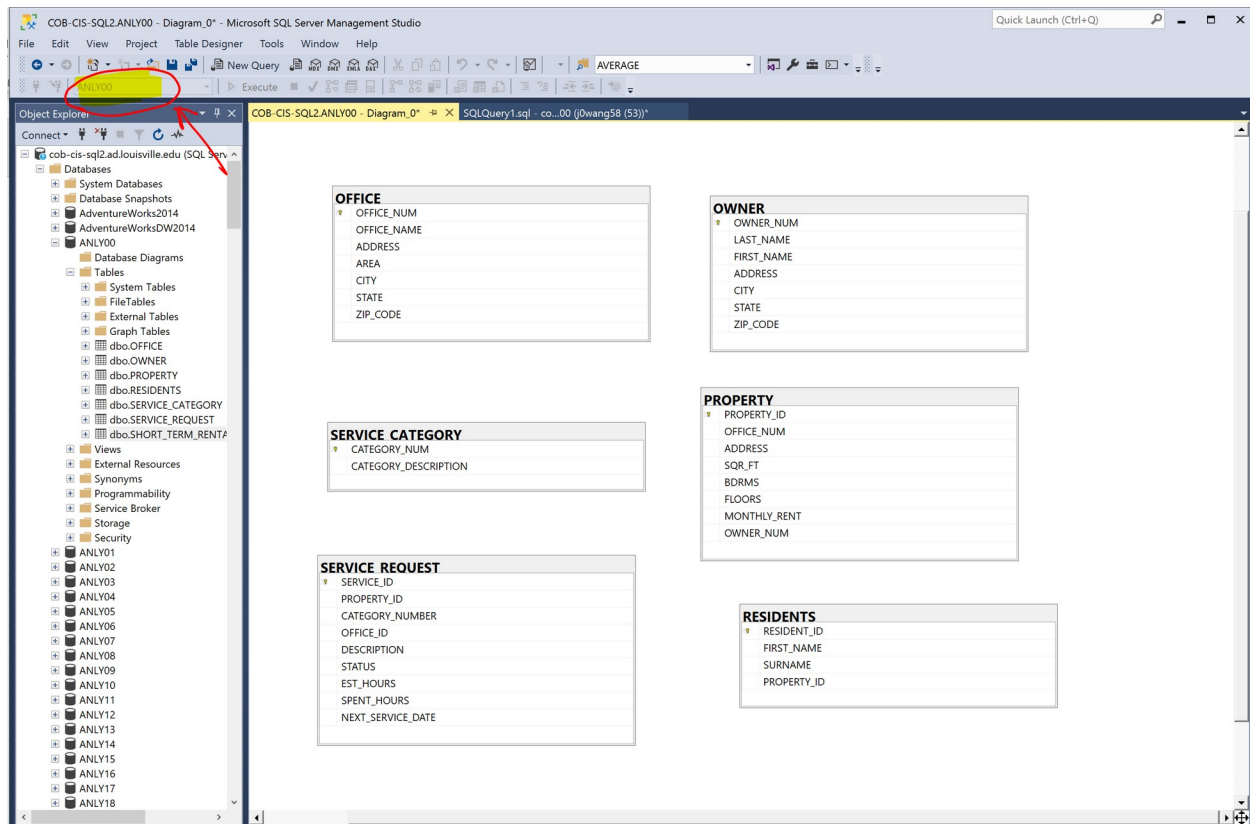
*/

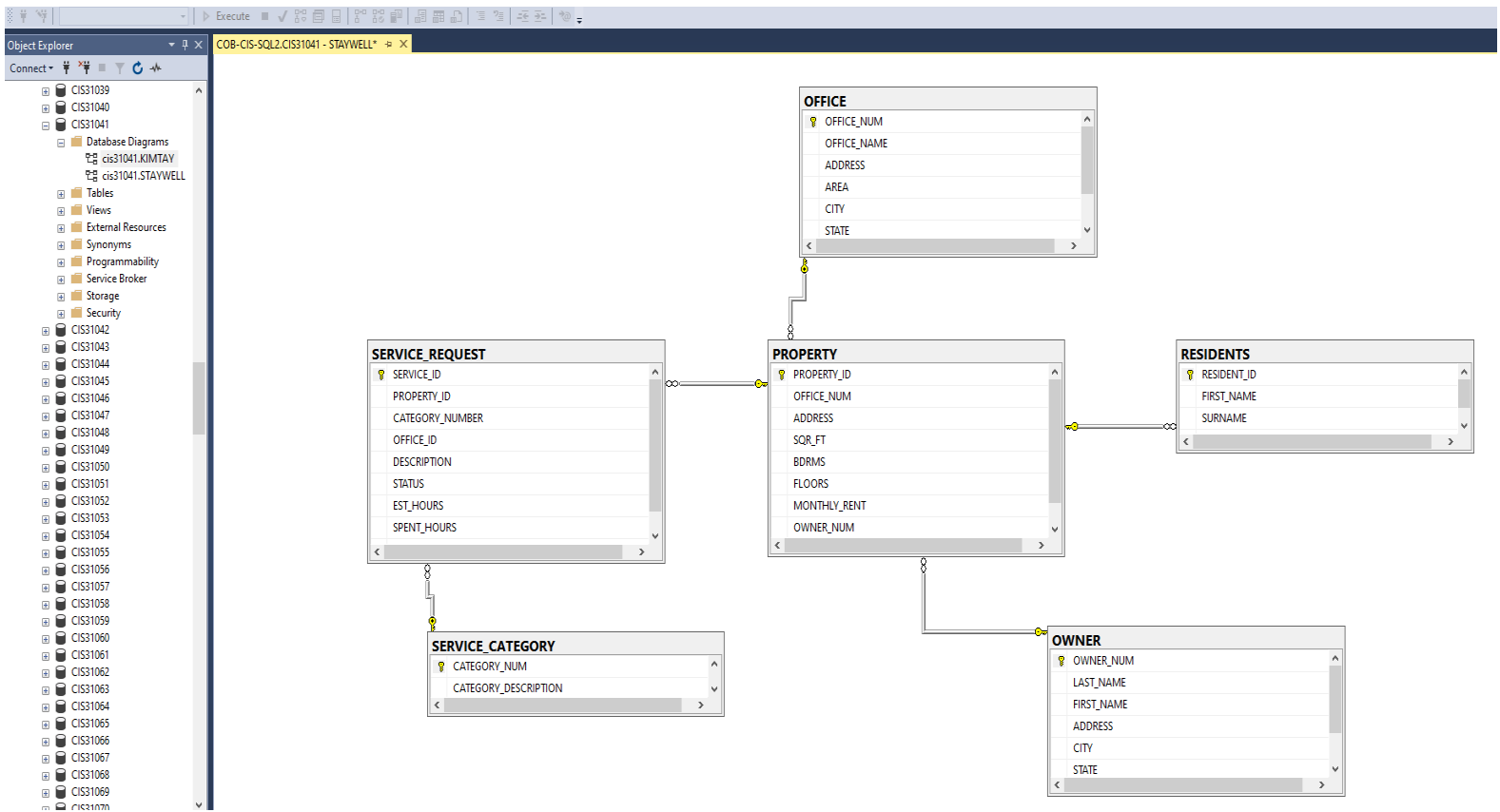
-- 1. Execute the script for the StayWell database (from Database Chapter 1 file folder) in Microsoft SQL Server to create and populate the database. (10 pts)

Create an entity relationship diagram for the StayWell database in Microsoft SQL Server. **You must connect the tables with proper relationships, below example screenshot do not contain the answer.** Use the given data and your learning from database designs, to determine which table is on the one side and which is on the many side in each relationship. *Reminder, the shared attribute/column names can be different on the connecting tables.

Use a tool such as Snipping Tool to screen capture the ERD and paste it here.

Your screenshot must show connection to **YOUR database**, as shown in example or will receive 0.





--2. Provide the SQL script for creating a SHORT_TERM_RENTAL table with the structure shown below, PROPERTY_ID should be the only Primary Key for this table. (5 pts)

/*

==Column Name== | ==Data Type==

PROPERTY_ID	NUMERIC
OFFICE_NUM	NUMERIC
ADDRESS	VARCHAR(30)
SQR_FT	NUMERIC
BDRMS	DECIMAL(2, 0)
FLOORS	INT

| WEEKLY_RENT | NUMERIC

| OWNER_NUM | CHAR(5)

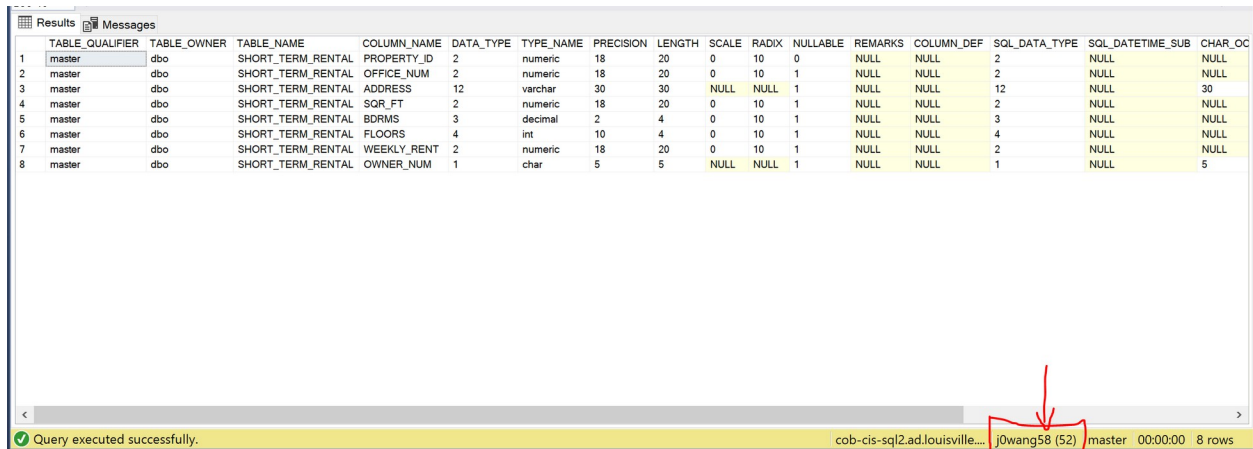
*/

```
DROP TABLE IF EXISTS SHORT_TERM_RENTAL;  
CREATE TABLE SHORT_TERM_RENTAL (  
PROPERTY_ID CHAR(3) PRIMARY KEY,  
OFFICE_NUM CHAR(3),  
ADDRESS VARCHAR(30),  
SQR_FT CHAR(4),  
BDRMS DECIMAL(2,0),  
FLOORS INT,  
WEEKLY_RENT CHAR(4),  
OWNER_NUM CHAR(5)  
);
```

```
SELECT * FROM SHORT_TERM_RENTAL;  
EXEC SP_COLUMNS SHORT_TERM_RENTAL;
```

--3. Provide a screenshot of SHORT_TERM_RENTAL table's metadata. (5 pts)

--Your screenshot should show all 8 rows and the first 8 columns, and **your username CIS310XX** at the bottom. Example as below:



	TABLE_QUALIFIER	TABLE_OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	TYPE_NAME	PRECISION	LENGTH	SCALE	RADIX	NULLABLE	REMARKS	COLUMN_DEF	SQL_DATA_TYPE	SQL_DATETIME_SUB	CHAR_OCTET_LENGTH
1	master	dbo	SHORT_TERM_RENTAL	PROPERTY_ID	2	numeric	18	20	0	10	0	NULL	NULL	2	NULL	NULL
2	master	dbo	SHORT_TERM_RENTAL	OFFICE_NUM	2	numeric	18	20	0	10	1	NULL	NULL	2	NULL	NULL
3	master	dbo	SHORT_TERM_RENTAL	ADDRESS	12	varchar	30	30	NULL	NULL	1	NULL	NULL	12	NULL	30
4	master	dbo	SHORT_TERM_RENTAL	SQR_FT	2	numeric	18	20	0	10	1	NULL	NULL	2	NULL	NULL
5	master	dbo	SHORT_TERM_RENTAL	BDRMS	3	decimal	2	4	0	10	1	NULL	NULL	3	NULL	NULL
6	master	dbo	SHORT_TERM_RENTAL	FLOORS	4	int	10	4	0	10	1	NULL	NULL	4	NULL	NULL
7	master	dbo	SHORT_TERM_RENTAL	WEEKLY_RENT	2	numeric	18	20	0	10	1	NULL	NULL	2	NULL	NULL
8	master	dbo	SHORT_TERM_RENTAL	OWNER_NUM	1	char	5	5	NULL	NULL	1	NULL	NULL	1	NULL	5

Query executed successfully. cob-cis-sql2.ad.louisville... j0wang58 (52) master 00:00:00 8 rows

--*Reminder: In Microsoft SQL Server, you may execute "EXEC SP_COLUMNS Table name;" command to see the metadata (data about the data). in the output, (where Table name is the name of the table whose structure/metadata you want to show.)

	TABLE_QUALIFIER	TABLE_OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	TYPE_NAME	PRECISION	LENGTH	SCALE	RADIX	NULLABLE	REMARKS	COLUMN_DEF	SQL_DATA_TYPE	SQL_DATETIME_SUB
1	CIS31041	dbo	SHORT_TERM_RENTAL	PROPERTY_ID	1	char	3	3	NULL	NULL	0	NULL	NULL	1	NULL
2	CIS31041	dbo	SHORT_TERM_RENTAL	OFFICE_NUM	1	char	3	3	NULL	NULL	1	NULL	NULL	1	NULL
3	CIS31041	dbo	SHORT_TERM_RENTAL	ADDRESS	12	varchar	30	30	NULL	NULL	1	NULL	NULL	12	NULL
4	CIS31041	dbo	SHORT_TERM_RENTAL	SQR_FT	1	char	3	3	NULL	NULL	1	NULL	NULL	1	NULL
5	CIS31041	dbo	SHORT_TERM_RENTAL	BDRMS	3	decimal	2	4	0	10	1	NULL	NULL	3	NULL
6	CIS31041	dbo	SHORT_TERM_RENTAL	FLOORS	4	int	10	4	0	10	1	NULL	NULL	4	NULL
7	CIS31041	dbo	SHORT_TERM_RENTAL	WEEKLY_RENT	1	char	4	4	NULL	NULL	1	NULL	NULL	1	NULL
8	CIS31041	dbo	SHORT_TERM_RENTAL	OWNER_NUM	1	char	5	5	NULL	NULL	1	NULL	NULL	1	NULL

Query executed successfully. cob-cis-sql2ad.louisville... CIS31041 (57) CIS31041 00:00:00 8 rows

--4. Provide the SQL script for inserting below record to the SHORT_TERM_RENTAL table. (2 pts)

--* Reminder that text type data should be encased in the appropriate symbols.

```
INSERT INTO SHORT_TERM_RENTAL
VALUES('13', '1', '5867 Goodwin Ave', '1650', '2', '1', '400', 'CO103');
```

PROPERTY_ID	OFFICE_NUM	ADDRESS	SQR_FT	BDRMS	FLOORS	WEEKLY_RENT	OWNER_NUM
13	1	5867 Goodwin Ave	1650	2	1	400	CO103

--5. Provide the SQL script for deleting SHORT_TERM_RENTAL table from the SQL server. (2 pts)

```
DROP TABLE SHORT_TERM_RENTAL;
```

--6. Provide the SQL scripts to output the **metadata** of the STAYWELL tables. (3 pts)

Note that there are 6 tables. Therefore, there should be 6 statements.

```
EXEC SP_COLUMNS PROPERTY;
EXEC SP_COLUMNS OFFICE;
EXEC SP_COLUMNS SERVICE_REQUEST;
EXEC SP_COLUMNS SERVICE_CATEGORY;
EXEC SP_COLUMNS RESIDENTS;
EXEC SP_COLUMNS OWNER;
```

--7. Provide the SQL scripts to output the **contents** (all columns and rows) of the STAYWELL tables. (3 pts)

Note that there are 6 tables. Therefore, there should be 6 statements.

```
SELECT * FROM PROPERTY;
SELECT * FROM OFFICE;
SELECT * FROM SERVICE_REQUEST;
SELECT * FROM SERVICE_CATEGORY;
SELECT * FROM RESIDENTS;
SELECT * FROM OWNER;
```