

= CIS 310 ASSIGNMENT 6=

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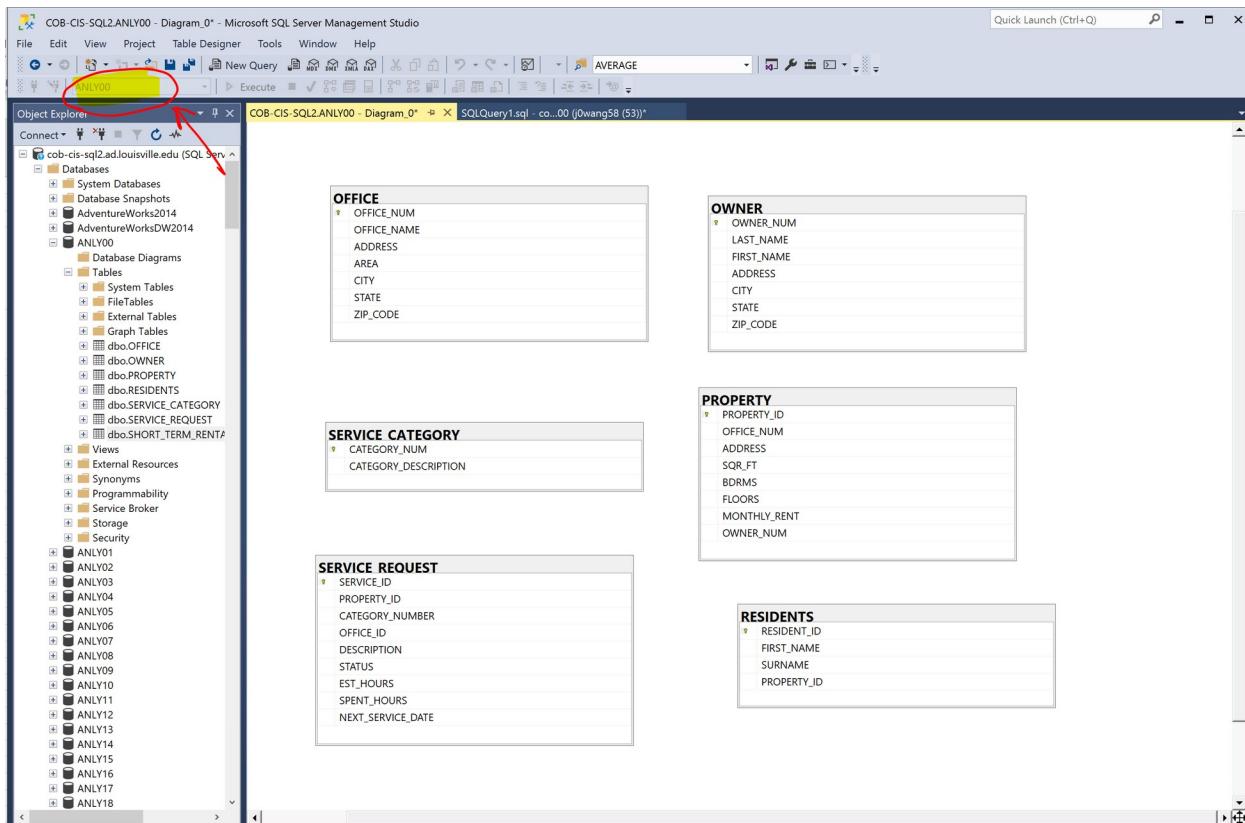
-- 1. Execute the script for the StayWell database (from Database Chapter 1 file folder) in Microsoft SQL Server to create and populate the database. (10 pts)

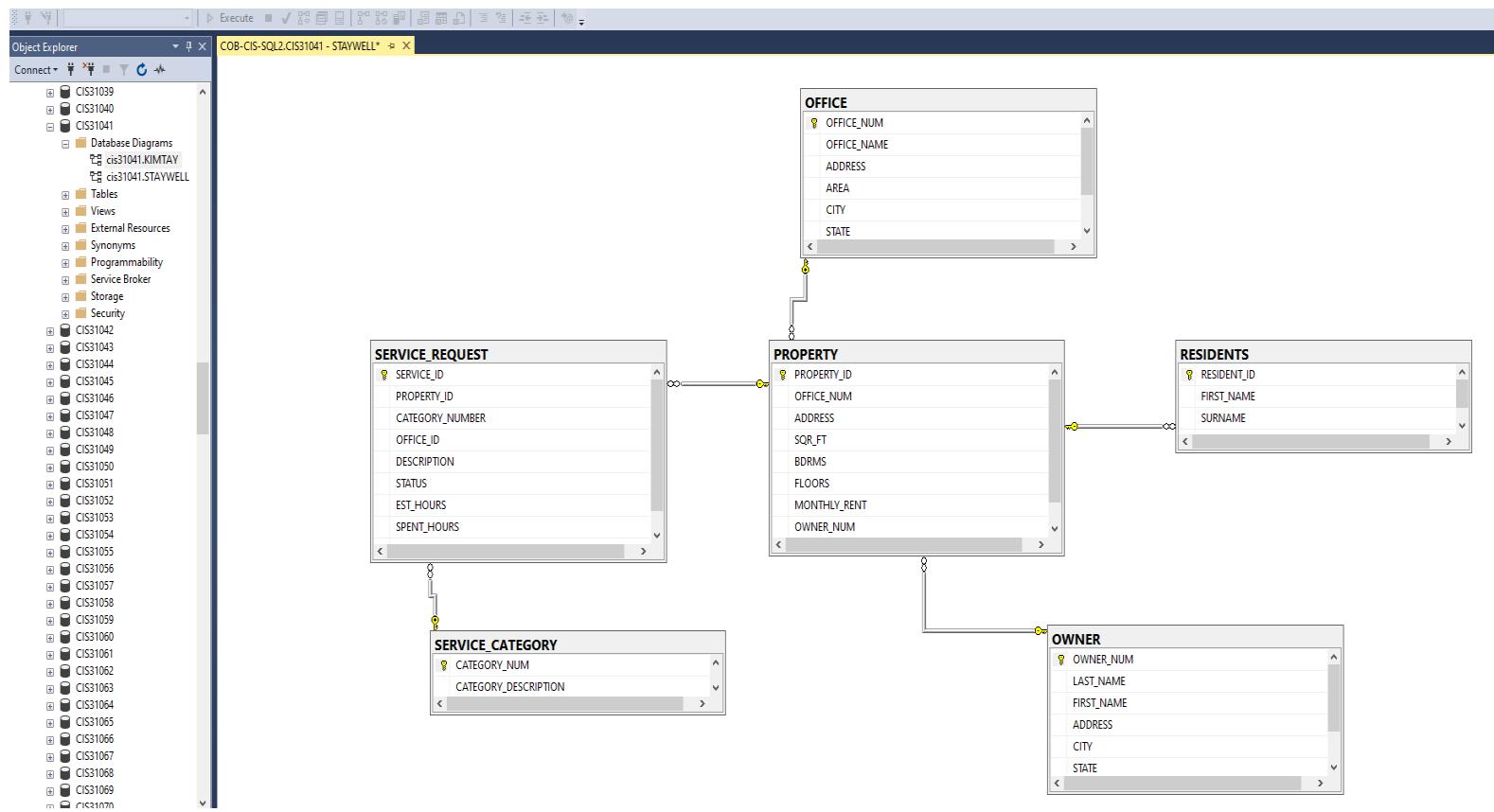
Create an entity relationship diagram for the StayWell database in Microsoft SQL Server. **You must connect the tables with proper relationships, below example screenshot do not contain the answer.**

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)
*/

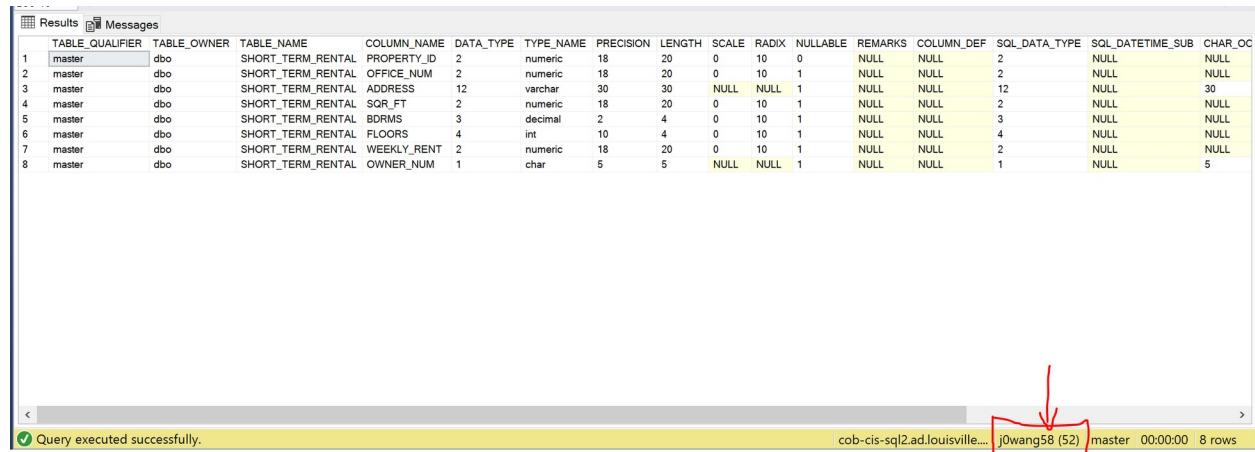
DROP TABLE IF EXISTS SHORT_TERM_RENTAL;
CREATE TABLE SHORT_TERM_RENTAL (
PROPERTY_ID CHAR(3) PRIMARY KEY,
OFFICE_NUM CHAR(3),
ADDRESS VARCHAR(30),
SQR_FT CHAR(4),
BDRMS DECIMAL(2,0),
FLOORS INT,
WEEKLY_RENT CHAR(4),
OWNER_NUM CHAR(5)
);

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_OC
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

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

--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;
```