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===== CIS 310 ASSIGNMENT 6 =====
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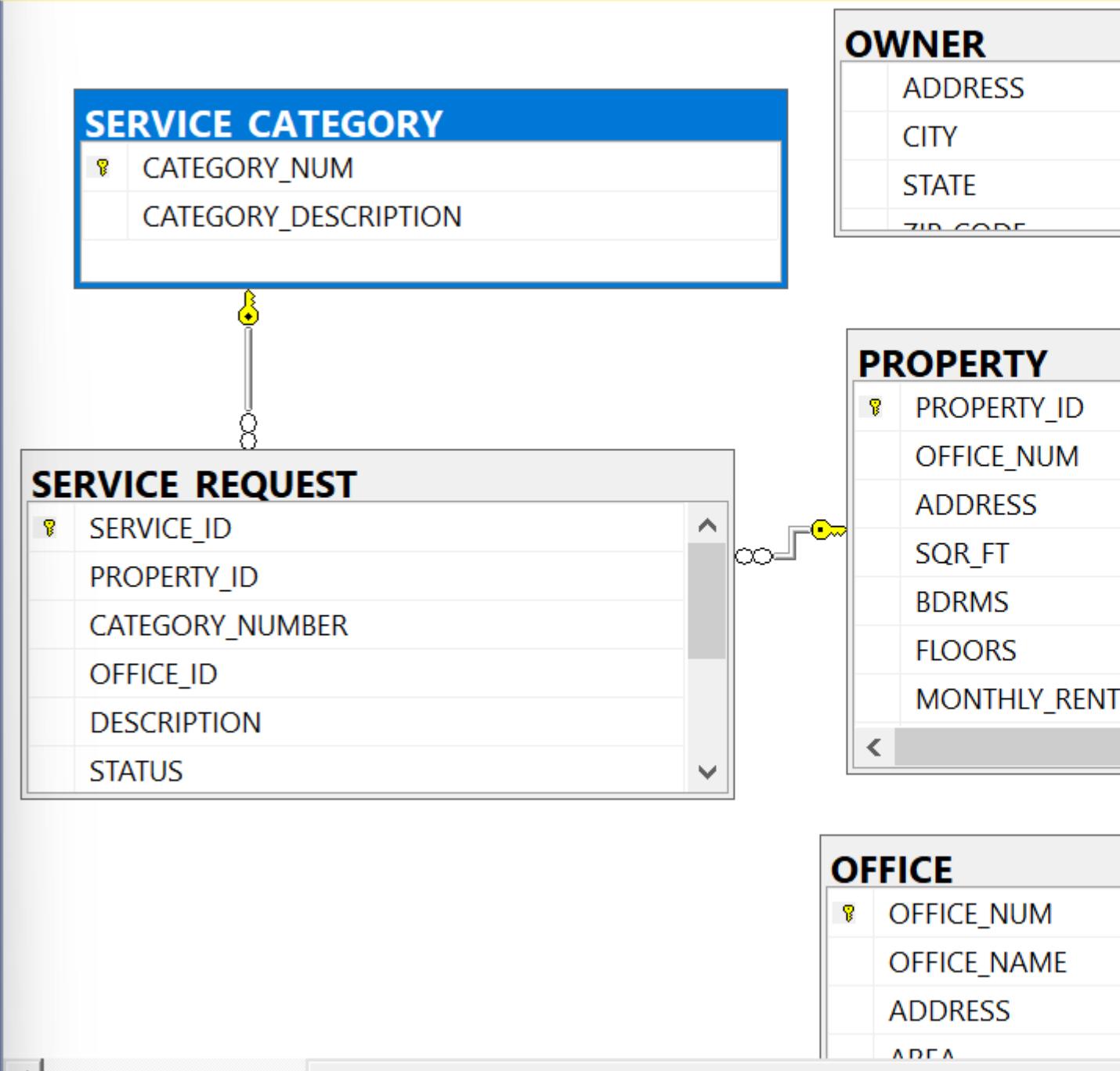
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/*
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STUDENT NAME: jawharah mused
```

Created and managed database tables in Microsoft SQL Server using the STAYWELL dataset. Wrote SQL scripts to define table structures, set primary keys, insert records, retrieve metadata, and query full table contents. This assignment demonstrates my ability to design relational tables, apply correct data types, validate structure through metadata, and manipulate data using SQL statements in a real database environment.

```
*/
```

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



--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)

```
SQLQuery4.sql - co...45 (CIS31045 (112))*
DROP TABLE IF EXISTS SHORT_TERM_RENTAL;

CREATE TABLE SHORT_TERM_RENTAL (
    PROPERTY_ID NUMERIC NOT NULL PRIMARY KEY,
    OFFICE_NUM NUMERIC,
    ADDRESS VARCHAR(30),
    SQR_FT NUMERIC,
    BDRMS DECIMAL(2,0),
    FLOORS INT,
    WEEKLY_RENT NUMERIC,
    OWNER_NUM CHAR(5)
);

100 % ▾
Messages
Commands completed successfully.

Completion time: 2025-03-07T21:29:25.9425751-05:00

100 % ▾
Query executed successfully. | cob-cis
```

--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)

*/

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

The screenshot shows a SQL Server Management Studio window with two panes. The left pane contains the T-SQL command: `EXEC SP_COLUMNS SHORT_TERM_RENTAL;`. The right pane is titled "CREATING_TABLES_S...5 (CIS31045 (105))" and displays the results of the query in a grid format. The grid has 12 columns: TABLE_QUALIFIER, TABLE_OWNER, TABLE_NAME, COLUMN_NAME, DATA_TYPE, TYPE_NAME, PRECISION, LENGTH, SCALE, RADIX, NL, and NL. There are 8 rows of data, each corresponding to a column in the SHORT_TERM_RENTAL table. The data is as follows:

TABLE_QUALIFIER	TABLE_OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	TYPE_NAME	PRECISION	LENGTH	SCALE	RADIX	NL	NL
1 CIS31045	dbo	SHORT_TERM_RENTAL	PROPERTY_ID	2	numeric	18	20	0	10	0	
2 CIS31045	dbo	SHORT_TERM_RENTAL	OFFICE_NUM	2	numeric	18	20	0	10	1	
3 CIS31045	dbo	SHORT_TERM_RENTAL	ADDRESS	12	varchar	30	30	NULL	NULL	1	
4 CIS31045	dbo	SHORT_TERM_RENTAL	SQR_FT	2	numeric	18	20	0	10	1	
5 CIS31045	dbo	SHORT_TERM_RENTAL	BDRMS	3	decimal	2	4	0	10	1	
6 CIS31045	dbo	SHORT_TERM_RENTAL	FLOORS	4	int	10	4	0	10	1	
7 CIS31045	dbo	SHORT_TERM_RENTAL	WEEKLY_RENT	2	numeric	18	20	0	10	1	
8 CIS31045	dbo	SHORT_TERM_RENTAL	OWNER_NUM	1	char	5	5	NULL	NULL	1	

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

```
);  
INSERT INTO SHORT_TERM_RENTAL (PROPERTY_ID, OFFICE_NUM, ADDRESS  
VALUES (13, 1, '5867 Goodwin Ave', 1650, 2, 1, 400, 'CO103'  
100 % ▾ Messages  
(1 row affected)  
Completion time: 2025-03-07T22:00:08.3131849-05:00  
100 % ▾  
Query executed successfully.
```

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

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)

```
CREATING_TABLES_S...5 (CIS31045 (105))* ✎ X SQLQuery6.sql - co...  
--EXAMPLE OF TABLE CREATION WITH PRIMARY KEY DEF  
DROP TABLE IF EXISTS 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.

The screenshot shows a SQL query window with the following content:

```
EXEC SP_COLUMNS STAYWELL_TABLE1;
EXEC SP_COLUMNS STAYWELL_TABLE2;
EXEC SP_COLUMNS STAYWELL_TABLE3;
EXEC SP_COLUMNS STAYWELL_TABLE4;
EXEC SP_COLUMNS STAYWELL_TABLE5;
EXEC SP_COLUMNS STAYWELL_TABLE6;
```

The results pane displays a table structure with the following columns:

TABLE_QUALIFIER	TABLE_OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	TYPE_NAME	PRECISION	LENGTH	SCALE	RADIX	NULLABLE	RE

At the bottom of the results pane, a message indicates: "Query executed successfully." The status bar at the bottom right shows: cob-cis-sql2.ad.louisville... CIS31045 (105) CIS31045 00:00:00 0 rows.

--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 STAYWELL_1;
SELECT * FROM STAYWELL_2;
SELECT * FROM STAYWELL_3;
SELECT * FROM STAYWELL_4;
SELECT * FROM STAYWELL_5;
SELECT * FROM STAYWELL_6;
```