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

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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.

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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.

OWNER

- ADDRESS
- CITY
- STATE
- ZIP CODE

SERVICE CATEGORY

- 🔑 CATEGORY_NUM
- CATEGORY_DESCRIPTION

PROPERTY

- 🔑 PROPERTY_ID
- OFFICE_NUM
- ADDRESS
- SQR_FT
- BDRMS
- FLOORS
- MONTHLY_RENT

SERVICE REQUEST

- 🔑 SERVICE_ID
- PROPERTY_ID
- CATEGORY_NUMBER
- OFFICE_ID
- DESCRIPTION
- STATUS

OFFICE

- 🔑 OFFICE_NUM
- OFFICE_NAME
- ADDRESS
- AREA

--**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))*

```sql
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)

--**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, ADD
    VALUES (13, 1, '5867 Goodwin Ave', 1650, 2, 1, 400, 'C0103'
```

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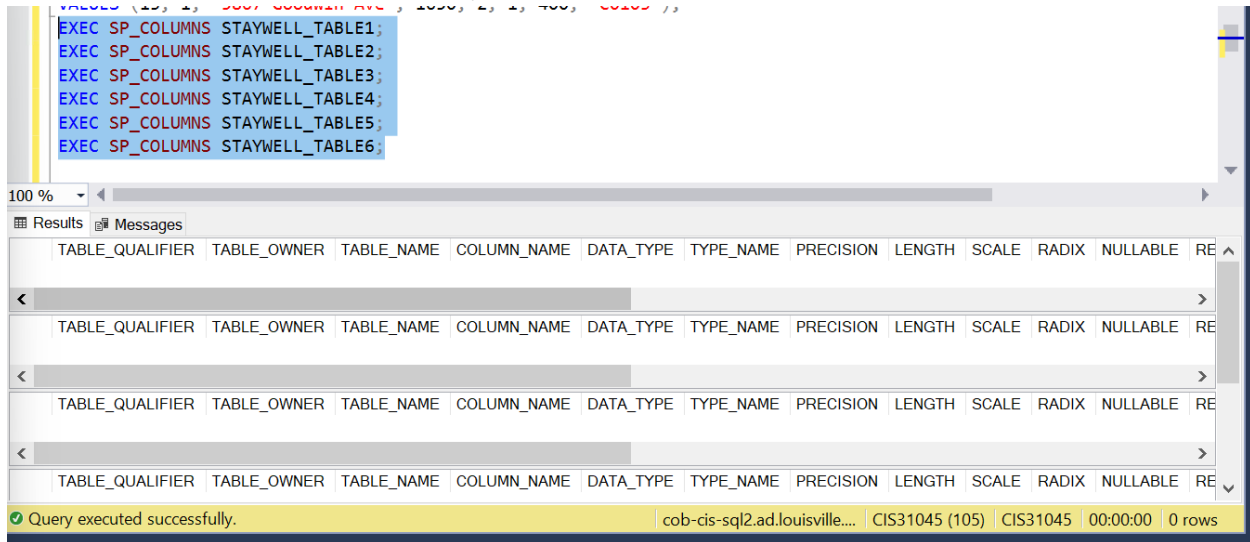
PROPERTY_ID	OFFICE_NUM	ADDRESS	SQR_FT	BDRMS	FLOORS	WEEKLY_RENT	OWNER_NUM
13	1	5867 Goodwin Ave	1650	2	1	400	CO103

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

CREATING_TABLES_S...5 (CIS31045 (105))* ⊣ ✕ 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.


```sql
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;
```

--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;