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--=====
--===== CIS310 ASSIGNMENT 9 =====
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/*
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SUBMISSION DATE: 4/14/2024
```

For each of the following business request PROVIDE THE SQL Query that adequately performs the tasks.
These queries are based on STAYWELL DB Tables and their data contents

Grading:
Proper Code Formatting is 20% of homework grade
Executable code can earn up to 100% of the grade
Unexecutable code can only earn up to a max of 50% of the grade
*/

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--=====
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--===== SOLUTION=====
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```

--1.Create a LARGE_PROPERTY table and insert into the LARGE_PROPERTY table the office number, address, bedrooms, floors, monthly rent, and owner number for those properties whose square footage is greater than 1,000 square feet.
--There are multiple ways you can accomplish this, submit the easiest method.

```
DROP TABLE IF EXISTS LARGE_PROPERTY;
CREATE TABLE LARGE_PROPERTY (
    OFFICE_NUM TINYINT NOT NULL,
    ADDRESS VARCHAR(100) NOT NULL,
    BDRMS TINYINT NOT NULL,
    FLOORS TINYINT NOT NULL,
    MONTHLY_RENT SMALLINT,
    OWNER_NUM CHAR(5) NOT NULL
);

INSERT INTO LARGE_PROPERTY (OFFICE_NUM, ADDRESS, BDRMS, FLOORS, MONTHLY_RENT, OWNER_NUM)
SELECT OFFICE_NUM, ADDRESS, BDRMS, FLOORS, MONTHLY_RENT, OWNER_NUM
FROM PROPERTY
WHERE SQR_FT > 1000;
```

--2.StayWell has increased the monthly rent of each large property by \$50.
--Update the monthly rents in the LARGE_PROPERTY table accordingly.

```
UPDATE LARGE_PROPERTY
SET MONTHLY_RENT = MONTHLY_RENT + 50;
```

--3.After increasing the monthly rent of each large property by \$50 (in exercise 2),
--StayWell decides to decrease the monthly rent of any property
--whose monthly fee is more than \$1750 by 3 percent.
--Update the monthly rents in the LARGE_PROPERTY table accordingly.

```
BEGIN
    DECLARE @Multiplier DECIMAL(5,2);

    IF (SELECT MAX(MONTHLY_RENT) FROM LARGE_PROPERTY) > 1750
    SET @Multiplier = 0.97; -- this the 3% discount
    ELSE
        SET @Multiplier = 1;

    UPDATE LARGE_PROPERTY
    SET MONTHLY_RENT = ROUND(MONTHLY_RENT * @Multiplier, 0);
END;
```

--4.Insert a row into the LARGE_PROPERTY table for a new property. The office number is 1,
--the address is 2643 Lugsy Dr, the number of bedrooms is 3, the number of floors is 2,
--the monthly rent is \$775, and the owner number is MA111.

```
INSERT INTO LARGE_PROPERTY (OFFICE_NUM, ADDRESS, BDRMS, FLOORS, MONTHLY_RENT, OWNER_NUM)
VALUES (1, '2643 Lugsy Dr' , 3, 2, 775, 'MA111');
```

--5.Delete all properties in the LARGE_PROPERTY table for which the owner number is BI109.
DELETE FROM LARGE_PROPERTY
WHERE OWNER_NUM = 'BI109';

--6.The property in LARGE_PROPERTY table with the address '891 Alton Dr.' is

--in the process of being remodeled and not rentable and should not have a rent amount listed.
--Change the monthly rent value in the LARGE_PROPERTY table to null.

```
UPDATE LARGE_PROPERTY
SET MONTHLY_RENT = NULL
WHERE ADDRESS = '891 Alton Dr';
```

--7. Delete the LARGE_PROPERTY table from the database.
DROP TABLE IF EXISTS LARGE_PROPERTY;