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-----CIS310 ASSIGNMENT 6-----
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/*
STUDENT NAME: Ethan Epperson
STUDENT ID: 5131641
SUBMISSION DATE: 4/20/23
*/
```

```
-----Part 1: Table Creation&
Modification-----
```

```
--1.Create a LARGE_PROPERTY table with the structure shown below, no
primary keys are defined in this table.
```

```
/*
===Column Name == | ==Data Type===
| OFFICE_NUM      | DECIMAL(2)
| ADDRESS         | CHAR(25)
| BDRMS           | DECIMAL(2)
| FLOORS          | DECIMAL(2)
| MONTHLY_RENT    | DECIMAL(6,2)
| OWNER_NUM       | CHAR(5)
*/
```

```
CREATE TABLE LARGE_PROPERTY
(
    OFFICE_NUM DECIMAL(2),
    ADDRESS CHAR(25),
    BDRMS DECIMAL(2),
    FLOORS DECIMAL(2),
    MONTHLY_RENT DECIMAL(6,2),
    OWNER_NUM CHAR(5)
);
```

```
SELECT * FROM LARGE_PROPERTY;
```

```
--2.Insert into the LARGE_PROPERTY table the office number, address,
bedrooms, baths,
--monthly rent, and owner number for those properties whose square footage
is greater than 1,500 square feet.
```

```
ALTER TABLE LARGE_PROPERTY
    ADD SQR_FT DECIMAL(7,2);
```

```
SELECT * FROM LARGE_PROPERTY;
```

```
SELECT * FROM PROPERTY;
```

```
INSERT INTO LARGE_PROPERTY (OFFICE_NUM, ADDRESS, BDRMS, FLOORS,
MONTHLY_RENT, OWNER_NUM, SQR_FT)
    SELECT OFFICE_NUM, ADDRESS, BDRMS, FLOORS, MONTHLY_RENT, OWNER_NUM,
SQR_FT
        FROM (
```

```

SELECT OFFICE_NUM, ADDRESS, BDRMS,
FLOORS, MONTHLY_RENT, OWNER_NUM, SQR_FT
FROM PROPERTY
WHERE SQR_FT >
1500
) AS P;

```

```

SELECT * FROM LARGE_PROPERTY;

```

--3.StayWell has increased the monthly rent of each large property by \$150.

--Update the monthly rents in the LARGE_PROPERTY table accordingly.

```

UPDATE LARGE_PROPERTY
SET MONTHLY_RENT = MONTHLY_RENT + 150;

```

```

SELECT * FROM LARGE_PROPERTY;

```

--4.After increasing the monthly rent of each large property by \$150 (Exercise 3),

--StayWell decides to decrease the monthly rent of any property

--whose monthly fee is more than \$1750 by one percent.

--Update the monthly rents in the LARGE_PROPERTY table accordingly.

```

UPDATE LARGE_PROPERTY
SET MONTHLY_RENT = MONTHLY_RENT - (MONTHLY_RENT * 0.01)
WHERE MONTHLY_RENT > 1750;

```

```

SELECT * FROM LARGE_PROPERTY;

```

--5.Insert a row into the LARGE_PROPERTY table for a new property. The office number is 1,

--the address is 2643 Lugsig 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 Lugsig Dr', 3, 2, 775, 'MA111');

```

```

SELECT * FROM LARGE_PROPERTY;

```

--6.Delete all properties in the LARGE_PROPERTY table for which the owner number is BI109.

```

DELETE FROM LARGE_PROPERTY
WHERE OWNER_NUM = 'BI109';

```

```

SELECT * FROM LARGE_PROPERTY;

```

--7.The property in managed by Columbia City with the address 105 North Illinois Rd is

--in the process of being remodeled and the number of bedrooms is unknown.

--Change the bedrooms value in the LARGE_PROPERTY table to null.

```

UPDATE LARGE_PROPERTY
    SET BDRMS = NULL
        WHERE ADDRESS LIKE '%105 North Illinois Rd.%';

SELECT * FROM LARGE_PROPERTY;

--8. Delete the LARGE_PROPERTY table from the database.

DROP TABLE LARGE_PROPERTY;

-----Part 2: Views, Procedures and
Triggers-----
-- 9. Create a Stored Procedure DISP_OWNER_YOURFIRSTNAMELASTNAME (E.G.
DISP_OWNER_JIAOWANG).
--This SP takes a single parameter/variable named I_PROPERTY_ID to store
user input value of a PROPERTY_ID.
--It should output OFFICE_NUM, ADDRESS, OWNER_NUM and OWNER_NAME
(concatenated FirstName LastName in proper format)
--from the PROPERTY and OWNER tables for the given PROPERTY_ID
SELECT * FROM PROPERTY;
SELECT * FROM OWNER;
SP_HELP PROPERTY;
-- PROPERTY_ID DATA TYPE IS SMALLINT

CREATE PROCEDURE DISP_OWNER_ETHANEPPERSON @I_PROPERTY_ID SMALLINT
AS
    BEGIN
        SELECT OFFICE_NUM, P.ADDRESS, O.OWNER_NUM,
CONCAT(FIRST_NAME, ' ', LAST_NAME) AS OWNER_NAME
        FROM PROPERTY P INNER JOIN OWNER O ON
P.OWNER_NUM = O.OWNER_NUM
        WHERE PROPERTY_ID = @I_PROPERTY_ID
    END;

EXEC DISP_OWNER_ETHANEPPERSON 2;

-- 10. Create a Stored Procedure UPDATE_OWNER_YOURFIRSTNAMELASTNAME (E.G.
UPDATE_OWNER_JIAOWANG).
--This Stored Procedure takes 2 parameters/variables:
--I_OWNER_NUM to store user input value of a OWNER_NUM, and I_LAST_NAME to
store user input value of a new LAST_NAME.
--This stored procedure should update/change the last name to the given
value, for the given owner num.
SELECT * FROM OWNER;
SP_HELP OWNER;
/*
OWNER_NUM IS DATA TYPE CHAR WITH LENGTH OF 5
LAST_NAME IS DATA TYPE VARCHAR WITH LENGTH OF 20
*/
CREATE PROCEDURE UPDATE_OWNER_ETHANEPPERSON
    @I_OWNER_NUM CHAR(5) = NULL,
    @I_LAST_NAME VARCHAR(20) = NULL
AS

```

```
BEGIN
    UPDATE OWNER
        SET LAST_NAME = @I_LAST_NAME
        WHERE OWNER_NUM = @I_OWNER_NUM
END;

EXEC UPDATE_OWNER_ETHANEPPERSON 'AK102', 'Vasquez';
SELECT * FROM OWNER;
```