

CIT 21400

Spring 2024

MySQL Homework-3

Use MySQL to make the following changes to the StayWell database. After each change, execute an appropriate query to show that the change was made correctly.

1. Create a LARGE_PROPERTY table with the structure shown in Figure-1.

Figure-1: LARGE_PROPERTY table layout

COLUMN	TYPE	LENGTH	DECIMAL PLACES	NULLS ALLOWED?	DESCRIPTION
OFFICE_NUM	DECIMAL	2	0	No	Management office number (primary key)
ADDRESS	CHAR	25		No	Address of property (primary key)
BDRMS	DECIMAL	2	0		Number of bedrooms
FLOORS	DECIMAL	2	0		Number of floors
MONTHLY_RENT	DECIMAL	6	2		Monthly rent
OWNER_NUM	CHAR	5			Number of Property owner

2. 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 1,500 square feet.

NOTE: Do not use individual inserts, but only use one command instead

3. StayWell has increased the monthly rent of each large property by \$150. Update the monthly rents in the LARGE_PROPERTY table accordingly.
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 1 percent. Update the monthly rents in the LARGE_PROPERTY table accordingly.
5. Insert a row into the LARGE_PROPERTY table for a new property. The office number is 1, the address is 2643 Lugs Dr, the number of bedrooms is 3, the number of floors is 2, the monthly rent is \$775, and the owner number is MA111.
6. Delete all properties in the LARGE_PROPERTY table for which the owner number is BI109.
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.

8. Add to the LARGE_PROPERTY table a new character column named OCCUPIED that is one character in length. (This column indicates whether the property is currently occupied.) Set the value for the OCCUPIED column on all rows to Y.
9. Change the OCCUPIED column in the LARGE_PROPERTY table to N for OWNER NUM KO104.
10. Change the MONTHLY_RENT column in the LARGE_PROPERTY table to reject nulls.
11. Delete the LARGE_PROPERTY table from the database.

What to Hand In

Create a SQL script and upload it back to the Assignments link.