

CIT 21400
Spring 2024
MySQL

Use Workbench and the StayWell database to complete the following exercises.

1. List the owner number, last name, and first name of every property owner.
2. List the complete PROPERTY table (all rows and all columns).
3. List the last name and first name of every owner who lives in Seattle.
4. List the last name and first name of every owner who does not live in Seattle.
5. List the property ID and office number for every property whose square footage is equal to or less than 1,400 square feet.
6. List the office number and address for every property with three bedrooms.
7. List the property ID for every property with two bedrooms that is managed by StayWell-Georgetown.
8. List the property ID for every property with a monthly rent that is between \$1,350 and \$1,750.
9. List the property ID for every property managed by StayWell-Columbia City whose monthly rent is less than \$1,500.
10. Labor is billed at the rate of \$35 per hour. List the property ID, category number, estimated hours, and estimated labor cost for every service request. To obtain the estimated labor cost, multiply the estimated hours by 35. Use the column name ESTIMATED_COST for the estimated labor cost.
11. List the owner number and last name for all owners who live in Nevada (NV), Oregon (OR), or Idaho (ID).
12. List the office number, property ID, square footage, and monthly rent for all properties. Sort the results by monthly rent within the square footage.
13. How many three-bedroom properties are managed by each office?
14. Calculate the total value of monthly rents for all properties.

Note:

When you have all of your commands ready to run, test them in MySQL and save it as a sql script.

What to Hand In

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

Figure-1: Sample Data for StayWell Student Accommodation database

OFFICE

OFFICE_NUM	OFFICE_NAME	ADDRESS	AREA	CITY	STATE	ZIP_CODE
1	StayWell-Columbia City	1135 N. Wells Avenue	Columbia City	Seattle	WA	98118
2	StayWell-Georgetown	986 S. Madison Rd	Georgetown	Seattle	WA	98108

OWNER

OWNER_NUM	LAST_NAME	FIRST_NAME	ADDRESS	CITY	STATE	ZIP_CODE
MO100	Moore	Elle-May	8006 W. Newport Ave.	Reno	NV	89508
PA101	Patel	Makesh	7337 Sheffield St.	Seattle	WA	98119
AK102	Aksoy	Ceyda	411 Griffin Rd.	Seattle	WA	98131
CO103	Cole	Meerab	9486 Circle Ave.	Olympia	WA	98506
KO104	Kowalczyk	Jakub	7431 S. Bishop St.	Bellingham	WA	98226
SH105	Sims	Haydon	527 Primrose Rd.	Portland	OR	97203
BU106	Burke	Ernest	613 Old Pleasant St.	Twin Falls	ID	83303
RE107	Redman	Seth	7681 Fordham St.	Seattle	WA	98119
LO108	Lopez	Janine	9856 Pumpkin Hill Ln.	Everett	WA	98213
BI109	Bianchi	Nicole	7990 Willow Dr.	New York	NY	10005
JO110	Jones	Ammarah	730 Military Ave.	Seattle	WA	98126

PROPERTY

PROPERTY_ID	OFFICE_NUM	ADDRESS	SQR_FT	BDRMS	FLOORS	MONTHLY_RENT	OWNER_NUM
1	1	30 West Thomas Rd.	1,600	3	1	1,400	BU106
2	1	782 Queen Ln.	2,100	4	2	1,900	AK102
3	1	9800 Sunbeam Ave.	1,005	2	1	1,200	BI109
4	1	105 North Illinois Rd.	1,750	3	1	1,650	KO104
5	1	887 Vine Rd.	1,125	2	1	1,160	SH105
6	1	8 Laurel Dr.	2,125	4	2	2,050	MO100
7	2	447 Goldfield St.	1,675	3	2	1,700	CO103
8	2	594 Leatherwood Dr.	2,700	5	2	2,750	KO104
9	2	504 Windsor Ave.	700	2	1	1,050	PA101
10	2	891 Alton Dr.	1,300	3	1	1,600	LO108
11	2	9531 Sherwood Rd.	1,075	2	1	1,100	JO110
12	2	2 Bow Ridge Ave.	1,400	3	2	1,700	RE107

SERVICE_CATEGORY

CATEGORY_NUM	CATEGORY_DESCRIPTION
1	Plumbing
2	Heating
3	Painting
4	Electrical systems
5	Carpentry
6	Furniture replacement

SERVICE_REQUEST

SERVICE_ID	PROPERTY_ID	CATEGORY_NUMBER	OFFICE_NUM	DESCRIPTION	STATUS	EST_HOURS	SPENT_HOURS	NEXT_SERVICE_DATE
1	11	2	2	The second bedroom upstairs is not heating up at night.	Problem has been confirmed. Central heating engineer has been scheduled.	2	1	11/01/2019
2	1	4	1	A new strip light is needed for the kitchen.	Scheduled	1	0	10/02/2019
3	6	5	1	The bathroom door does not close properly.	Service rep has confirmed issue. Scheduled to be refitted.	3	1	11/09/2019
4	2	4	1	New outlet has been requested for the first upstairs bedroom. (There is currently no outlet).	Scheduled	1	0	10/02/2019
5	8	3	2	New paint job requested for the common area (lounge).	Open	10	0	
6	4	1	1	Shower is dripping when not in use.	Problem confirmed. Plumber has been scheduled.	4	2	10/07/2019
7	2	2	1	Heating unit in the entrance smells like it's burning.	Service rep confirmed the issue to be dust in the heating unit. To be cleaned.	1	0	10/09/2019
8	9	1	2	Kitchen sink does not drain properly.	Problem confirmed. Plumber scheduled.	6	2	11/12/2019
9	12	6	2	New sofa requested.	Open	2	0	

RESIDENTS

RESIDENT_ID	FIRST_NAME	SURNAME	PROPERTY_ID
1	Albie	O'Ryan	1
2	Tariq	Khan	1
3	Ismail	Salib	1
4	Callen	Beck	2
5	Milosz	Polansky	2
6	Ashanti	Lucas	2
7	Randy	Woodrue	2
8	Aislinn	Lawrence	3
9	Monique	French	3
10	Amara	Dejsuwan	4
12	Rosalie	Blackmore	4
13	Carina	Britton	4
14	Valentino	Ortega	5
15	Kaylem	Kent	5
16	Alessia	Wagner	6
17	Tyrone	Galvan	6
18	Constance	Fleming	6
19	Eamonn	Bain	6
20	Misbah	Yacob	7
21	Gianluca	Esposito	7
22	Elinor	Lake	7
23	Ray	Rosas	8
24	Damon	Caldwell	8
25	Dawood	Busby	8
26	Dora	Harris	8
27	Leroy	Stokes	8
28	Tamia	Hess	9
29	Amelia	Sanders	9
30	Zarah	Byers	10
31	Sara	Farrow	10
32	Delilah	Roy	10
33	Dougie	McDaniel	11
34	Tahir	Halabi	11
35	Mila	Zhikin	12
36	Glenn	Donovan	12
37	Zayn	Fowler	12

Note: These sample data will be helpful to verify your query results.