

HW5

Wednesday, April 10, 2019 10:10 PM

```
150 -- Q1
151 -- Find the business name of all contractors who have worked 10 or more hours for a customer in the 95819 area code.
152 SELECT HIRE.bus_name
153 FROM HIRE INNER JOIN CUSTOMER
154 ON HIRE.cust_id = CUSTOMER.cust_id
155 WHERE zip = '95819' AND hours >= 10;
156
```

Success

2 rows

bus_name
Fly3
Fly1

```
157 -- Q2
158 -- Find the manufacturer id, color id, and names of all paint colors that have not been used in a room
159 SELECT PAINT_COLOR.mfg_id , PAINT_COLOR.color_id , name
160 FROM PAINT_COLOR
161 LEFT JOIN PAINTED ON PAINT_COLOR.mfg_id = PAINTED.mfg_id AND PAINT_COLOR.color_id = PAINTED.color_id
162 where PAINTED.mfg_id IS NULL;
163
```

Success

2 rows

mfg_id	color_id	name
10	1	01
20	2	02

```
164 -- Q3
165 -- Find the customer ID and first and last names of all customers who have used a paint color named "Blushing Pink" in a room named "Bedroom 1"
166 SELECT CUSTOMER.cust_id , CUSTOMER.first , CUSTOMER.last
167 FROM PAINTED
168     INNER JOIN PAINT_COLOR
169         ON PAINT_COLOR.mfg_id = PAINTED.mfg_id AND PAINT_COLOR.color_id = PAINTED.color_id
170     INNER JOIN CUSTOMER
171         ON CUSTOMER.cust_id = PAINTED.cust_id
172 WHERE PAINT_COLOR.name = 'Blushing Pink' AND PAINTED.rm_name = 'Bedroom 1';
173
```

Success

1 rows

cust_id	first	last
1111	JACK	LO

```
174 -- Q4
175 -- Find the customer ID and first and last names of all customers who have used a paint color named "Blushing Pink"
176 -- but have used that color in some room other than "Bedroom 1".
177 SELECT CUSTOMER.cust_id , CUSTOMER.first , CUSTOMER.last
178 FROM PAINTED
179     INNER JOIN PAINT_COLOR
180         ON PAINT_COLOR.mfg_id = PAINTED.mfg_id AND PAINT_COLOR.color_id = PAINTED.color_id
181     INNER JOIN CUSTOMER
182         ON CUSTOMER.cust_id = PAINTED.cust_id
183 WHERE PAINT_COLOR.name = 'Blushing Pink' AND PAINTED.rm_name <> 'Bedroom 1';
184
```

Success

1 rows

cust_id	first	last
4444	bee	LO

```
185 -- Q5
186 -- For each contractor, find the business name, discount, and total hours
187 -- they have worked. Sort the output from most hours to least.
188 SELECT HIRE.bus_name , CONTRACTOR.discount , HIRE.hours
189 FROM HIRE NATURAL JOIN CONTRACTOR
190 GROUP BY hours;
191
```

Success

4 rows

bus_name	discount	hours
Fly2	10	8
Fly2	10	9
Fly1	10	30
Fly3	10	40

```
194 -- Q6
195 -- Find the customers with two or more rooms painted. For each customer,
196 -- list their first and last name and the number of rooms painted, and
197 -- have the output call this column 'Room Count'.
198 SELECT CUSTOMER.first , CUSTOMER.last , count(*) as 'Room Count'
199     FROM PAINTED INNER JOIN CUSTOMER
200     ON PAINTED.cust_id = CUSTOMER.cust_id
201     GROUP BY CUSTOMER.cust_id
202     HAVING count(*) >= 2;
203
```

Success

2 rows

Explore

SQL

first	last	Room Count
JACK	LO	3
bee	LO	2