Queries

```
/* 1
```

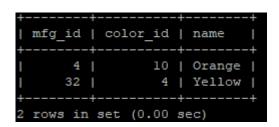
Find the business name of all contractors who have worked 10 or more hours for a customer in the 95819 area code. */
select c.bus_name
from CONTRACTOR as c, CUSTOMER as cu, HIRE as h
WHERE c.bus_name = h.bus_name and h.hours > 10
and h.cust id = cu.cust id and cu.zip = 95819;

```
+-----+
| bus_name |
+-----+
| company2 |
+-----+
1 row in set (0.00 sec)
```

/* 2

Find the manufacturer id, color id, and names of all paint colors that have not been used in a room. */

select c.mfg_id, c.color_id, c.name from PAINT_COLOR as c where not exists (select p.mfg_id, p.color_id from PAINTED as p where p.mfg_id = c.mfg_id and p.color id = c.color id);



/***** 3

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"

*/

```
select distinct c.cust_id, c.first, c.last
from CUSTOMER as c
where c.cust_id in
  (select p.cust_id
  from PAINTED as p, PAINT_COLOR as pc
  where pc.name = 'Blushing Pink' and p.rm name = 'Bedroom 1'
```

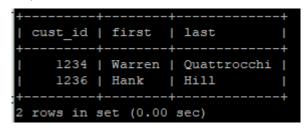
and pc.mfg id = p.mfg id and pc.color id = p.color id);

/***** 4

Find the customer ID and first and last names of all customers who have used a paint color named "Blushing Pink" but have used that color is some room other than "Bedroom 1". Make sure when you populate your database that this query returns at least some different results than query 3.

*/

select distinct c.cust_id, c.first, c.last from CUSTOMER as c, PAINTED as p, PAINT_COLOR as pc where c.cust_id = p.cust_id and pc.mfg_id = p.mfg_id and pc.color_id = p.color_id and pc.name = "Blushing Pink" and rm_name <> "Bedroom 1";



/***** 5

For each contractor, find the business name, discount, and total hours they have worked. Sort the output from most hours to least.

*/

select distinct c.bus_name, c.discount, SUM(h.hours) as total_hours from CONTRACTOR as c join HIRE as h on c.bus_name = h.bus_name group by c.bus_name order by total hours desc;

```
+-----+
| bus_name | discount | total_hours |
+-----+
| company2 | 0 | 15 |
| company1 | 5 | 5 |
+-----+
2 rows in set (0.00 sec)
```

/***** 6

Find the customers with two or more rooms painted. For each customer, list their first and last name and the number of rooms painted, and have the output call

this column 'Room Count'. Be sure to populate the database so that there are at least two different customers returned by this query.

*/

select c.first, c.last, COUNT(rm_name) as "Room Count"
from CUSTOMER as c, PAINTED as p
where p.cust_id = c.cust_id
group by c.cust_id
having COUNT(rm_name) >= 2;

```
+-----+
| first | last | Room Count |
+-----+
| Warren | Quattrocchi | 2 |
| Hank | Hill | 2 |
+-----+
2 rows in set (0.00 sec)
```