[redacted]

[redacted]

[redacted]

[redacted]

1.) Find the last name of employee whose job title is ‘VP Sales’.

```
mysql> SELECT lastName
    -> FROM employees
    -> WHERE jobTitle = 'VP Sales';
+-----------+
| lastName  |
+-----------+
| Patterson |
+-----------+
1 row in set (0.00 sec)
```

2.) Find the names of employees (last name, first name) whose offices are in ‘San Francisco’.

```
mysql> SELECT e.lastName, e.firstName
    -> FROM employees e
    -> JOIN offices o ON e.officeCode = o.officeCode
    -> WHERE o.city = 'San Francisco';
+-----------+-----------+
| lastName  | firstName |
+-----------+-----------+
| Murphy    | Diane     |
| Patterson | Mary      |
| Firrelli  | Jeff      |
| Bow       | Anthony   |
| Jennings  | Leslie    |
| Thompson  | Leslie    |
+-----------+-----------+
6 rows in set (0.00 sec)
```

3.) Find the names of customers (last name, first name) who purchased ‘Classic Cars’ according to the productLine feature of the products.

```
mysql> SELECT DISTINCT c.contactLastName, c.contactFirstName
    -> FROM customers c
    -> JOIN orders o ON c.customerNumber = o.customerNumber
    -> JOIN orderdetails od ON o.orderNumber = od.orderNumber
    -> JOIN products p ON od.productCode = p.productCode
    -> WHERE p.productLine = 'Classic Cars';
+-----------------+------------------+
| contactLastName | contactFirstName |
+-----------------+------------------+
| Bergulfsen      | Jonas            |
| Berglund        | Christina        |
| Sommer          | Martín           |
| Hashimoto       | Juri             |
| Natividad       | Eric             |
| Hernandez       | Maria            |
| Calaghan        | Ben              |
| Cervantes       | Francisca        |
| Saveley         | Mary             |
| Tamuri          | Yoshi            |
| Thompson        | Steve            |
```

4.) Find the productName of products which has the highest MSRP price.

```
mysql> SELECT productName
    -> FROM products
    -> WHERE MSRP = (SELECT MAX(MSRP) FROM products);
+--------------------------+
| productName              |
+--------------------------+
| 1952 Alpine Renault 1300 |
+--------------------------+
1 row in set (0.00 sec)
```

5.) Find the last names of the customers who have made 5 or more payments.

```
mysql> SELECT DISTINCT c.contactLastName
    -> FROM customers c
    -> JOIN payments p ON c.customerNumber = p.customerNumber
    -> GROUP BY c.contactLastName
    -> HAVING COUNT(*) >= 5;
+-----------------+
| contactLastName |
+-----------------+
| King            |
| Nelson          |
| Murphy          |
| Freyre          |
| Young           |
| Frick           |
| Taylor          |
| Hernandez       |
| Brown           |
+-----------------+
9 rows in set (0.01 sec)
```

6.) Find the most popular productLine (which means that it was purchased the most (maximum number of orders)).

```
mysql> SELECT p.productLine, COUNT(o.orderNumber) as num_of_orders
    -> FROM products p
    -> JOIN orderdetails od ON p.productCode = od.productCode
    -> JOIN orders o ON od.orderNumber = o.orderNumber
    -> GROUP BY p.productLine
    -> ORDER BY num_of_orders DESC
    -> LIMIT 1;
+--------------+---------------+
| productLine  | num_of_orders |
+--------------+---------------+
| Classic Cars |          1010 |
+--------------+---------------+
1 row in set (0.01 sec)
```

A screenshot because I wasn't sure if we had to do it in terminal or MySql Workbench so I did both: