1.

```
mysql> SELECT part_num, description, price FROM part;
+----------+-------------+---------+
| part_num | description | price   |
+----------+-------------+---------+
| AT94     | Iron        | $24.95  |
| BV06     | Home Gym    | $794.95 |
+----------+-------------+---------+
2 rows in set (0.00 sec)
```

2.

```
mysql> SELECT * FROM orders;
+-----------+------------+--------------+
| order_num | order_date | customer_num |
+-----------+------------+--------------+
|     21608 | 10/20/2010 |          148 |
|     21610 | 10/20/2010 |          356 |
+-----------+------------+--------------+
2 rows in set (0.00 sec)
```

3.

```
mysql> SELECT customer_name FROM customer WHERE credit_limit >=10000;
+-----------------+
| customer_name   |
+-----------------+
| Brookings Direct |
+-----------------+
1 row in set (0.00 sec)
```

4.

```
mysql> SELECT order_num FROM orders WHERE customer_num = 148;
+-----------+
| order_num |
+-----------+
|     21608 |
+-----------+
1 row in set (0.00 sec)
```

5.

```
mysql> SELECT customer_num, customer_name FROM customer WHERE rep_num = 35;
+--------------+------------------+
| customer_num | customer_name    |
+--------------+------------------+
|          282 | Brookings Direct |
+--------------+------------------+
1 row in set (0.00 sec)
```

6.

```
mysql> SELECT part_num, description FROM part WHERE class <> 'AP';
+----------+-------------+
| part_num | description |
+----------+-------------+
| AT94     | Iron        |
| BV06     | Home Gym    |
+----------+-------------+
2 rows in set (0.00 sec)
```

7.

```
mysql> SELECT part_num, description, on_hand FROM part WHERE on_hand BETWEEN 40 AND 45;
+----------+-------------+---------+
| part_num | description | on_hand |
+----------+-------------+---------+
| BV06     | Home Gym    |      45 |
+----------+-------------+---------+
1 row in set (0.01 sec)
```

8.

```
mysql> SELECT part_num, description, on_hand * price FROM part WHERE class = 'HW';
+----------+-------------+-----------------+
| part_num | description | on_hand * price |
+----------+-------------+-----------------+
| AT94     | Iron        |         1247.50 |
+----------+-------------+-----------------+
1 row in set (0.04 sec)
```

9.

```
mysql> SELECT part_num, description, on_hand * price FROM part WHERE on_hand * price >= 700;
+----------+-------------+-----------------+
| part_num | description | on_hand * price |
+----------+-------------+-----------------+
| AT94     | Iron        |         1247.50 |
| BV06     | Home Gym    |        35772.75 |
+----------+-------------+-----------------+
2 rows in set (0.00 sec)
```

10.

```
mysql> SELECT customer_num, customer_name FROM customer WHERE customer_name like 'B%';
+--------------+-----------------+
| customer_num | customer_name   |
+--------------+-----------------+
|          282 | Brookings Direct |
+--------------+-----------------+
1 row in set (0.00 sec)
```

Here is the entry lines I entered in MySQL

//Creating the REP TABLE

CREATE TABLE rep(

rep_num int(2),
last_name varchar(8),
first_name varchar(8),
street varchar(25),

```
city varchar(10),
state varchar(2),
zip int(5),
commission decimal(8,2),
rate decimal(4,2),
PRIMARY KEY (rep_num)

);
```

INSERT INTO rep VALUES(20, 'Kaiser','Valerie','624 Randall','Grove','FL',33321, 20542.50, 0.05);

INSERT INTO rep VALUES(35, 'Hull','Richard','532 Jackson','Sheldon','FL',33553, 39216.00, 0.07);

// Creating the ORDERS TABLE

CREATE TABLE orders(order_num int(5), order_date varchar(10), customer_num int(3), PRIMARY KEY (order_num, customer_num));

INSERT INTO orders VALUES(21608, '10/20/2010', 148);
INSERT INTO orders VALUES(21610, '10/20/2010', 356);

//Creating the CUSTOMER TABLE

CREATE TABLE customer(customer_num int(3), customer_name varchar(30), street varchar(25), city varchar(10), state varchar(2), zip int(5), balance decimal(10,2), credit_limit decimal(10,2), rep_num int(2), PRIMARY KEY (customer_num, rep_num));

INSERT INTO customer VALUES(148, "Al's Appliance and Sport", '2837 Greenway', 'Fillmore', 'FL', 33336, 6550.00, 7500.00, 20);
INSERT INTO customer VALUES(282, 'Brookings Direct', '3827 Devon', 'Grove', 'FL', 33321, 431.50, 10000.00, 35);

//Creating the ORDER_LINE TABLE

CREATE TABLE order_line(order_num int(5), part_num varchar(4), num_ordered int(2), quoted_price decimal(10,2), PRIMARY KEY (order_num, part_num));

INSERT INTO order_line VALUES(21608, 'AT94', 11, 21.95);
INSERT INTO order_line VALUES(21610, 'DR93', 1, 495.00);

//Creating the PART TABLE

CREATE TABLE part(part_num varchar(5), description varchar(20), on_hand int(2), class varchar(2), warehouse int(1), price decimal(10,2), PRIMARY KEY (part_num));

INSERT INTO part VALUES('AT94', 'Iron', 50,'HW', 3, 24.95);
INSERT INTO part VALUES('BV06', 'Home Gym', 45,'SG', 2, 794.95);