

1. For all customers, list the full customer's name.

```
MariaDB [Ch07_SaleCo]> SELECT CUS_FNAME, CUS_LNAME FROM CUSTOMER;
```

CUS_FNAME	CUS_LNAME
James	Brown
Leona	Dunne
Anne	Farriss
Amy	O'Brian
Paul	Olowski
Myron	Orlando
Alfred	Ramas
Kathy	Smith
Olette	Smith
George	Williams

**10 rows in set (0.02 sec)**

2. For all customers with non-zero balances in the 615 area code, list the full customer name.

```
MariaDB [Ch07_SaleCo]> SELECT CUS_FNAME, CUS_LNAME FROM CUSTOMER WHERE CUS_BALANCE != 0 AND CUS_AREACODE = 615;
```

CUS_FNAME	CUS_LNAME
Kathy	Smith
Paul	Olowski
James	Brown
George	Williams

**4 rows in set (0.00 sec)**

3. For products with fewer than 15 items in stock (P\_QOH), list the product description and price. Relabel the report columns with more understandable headings.

```
MariaDB [Ch07_SaleCo]> SELECT P_DESCRIPTOR AS DESCRIPTION, P_PRICE AS PRICE FROM PRODUCT WHERE P_QOH < 15;
```

DESCRIPTION	PRICE
Power painter, 15 psi., 3-nozzle	109.99
B&D jigsaw, 12-in. blade	109.92
B&D jigsaw, 8-in. blade	99.87
B&D cordless drill, 1/2-in.	38.95
Sledge hammer, 12 lb.	14.40
Hicut chain saw, 16 in.	256.99

**6 rows in set (0.01 sec)**

4. Assuming that the discount column in the product table is available to preferred customers, report the discounted price of products for all products with a before discount price of more than \$100. Note that questions 5,6 and 7 require use to manually “glue” tables together. This will change in the next lab so that we use SQL joins.

```
MariaDB [Ch07_SaleCo]> SELECT (P_PRICE *(1-P_DISCOUNT)) AS DISCOUNTED_PRICE FROM PRODUCT WHERE P_PRICE * (1-P_DISCOUNT) > 100;
```

DISCOUNTED_PRICE
109.9900
104.4240
244.1405
107.9550

**4 rows in set (0.00 sec)**

5. Customer Anne Farriss has called, asking for a listing of her invoice numbers and dates.

- a. What is her CUS\_CODE?

```
[MariaDB [Ch07_SaleCo]> SELECT CUS_CODE,CUS_FNAME,CUS_LNAME FROM CUSTOMER WHERE CUS_FNAME='Anne' AND CUS_LNAME='Farriss';
```

CUS_CODE	CUS_FNAME	CUS_LNAME
10018	Anne	Farriss

```
1 row in set (0.01 sec)
```

- b. Using this, find the Invoice numbers and dates for her CUS-CODE

```
[MariaDB [Ch07_SaleCo]> SELECT INV_NUMBER, INV_DATE FROM INVOICE WHERE CUS_CODE = 10018;
```

INV_NUMBER	INV_DATE
1005	2018-01-17 00:00:00

```
1 row in set (0.00 sec)
```

6. Corporate Management would like a list of all products sold by companies located in Florida.

- a) List the V\_CODE for all vendors located in Florida.

```
[MariaDB [Ch07_SaleCo]> SELECT V_CODE FROM VENDOR WHERE V_STATE = 'FL';
```

V_CODE
21226
25443
25595

```
3 rows in set (0.00 sec)
```

- b) List all products sold by these vendors.

```
[MariaDB [Ch07_SaleCo]> SELECT * FROM PRODUCT WHERE V_CODE IN(21226,25443,25595);
```

P_CODE	P_DESCRIPTION	P_INDATE	P_QOH	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	2017-11-03 00:00:00	8	5	109.99	0.00	25595
2238/QPD	B&D cordless drill, 1/2-in.	2018-01-20 00:00:00	12	5	38.95	0.05	25595
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2018-01-17 00:00:00	18	5	119.95	0.10	25595

```
3 rows in set (0.00 sec)
```

7. Customer Anne Farriss called back and would like a complete account of her activities.

- a) This listing will need her name, phone number and balance.

```
[MariaDB [Ch07_SaleCo]> SELECT CUS_FNAME AS FIRST_NAME, CUS_LNAME AS LAST_NAME, CUS_AREA_CODE AS AREA_CODE, CUS_PHONE AS PHONE, CUS_BALANCE AS BALANCE FROM CUSTOMER WHERE CUS_FNAME='Anne' AND CUS_LNAME='Farriss';
```

FIRST_NAME	LAST_NAME	AREA_CODE	PHONE	BALANCE
Anne	Farriss	713	382-7185	216.55

```
1 row in set (0.00 sec)
```

- b) invoice information for her from the appropriate table

```
[MariaDB [Ch07_SaleCo]> SELECT * FROM INVOICE WHERE CUS_CODE = 10018;
```

INV_NUMBER	CUS_CODE	INV_DATE
1005	10018	2018-01-17 00:00:00

```
1 row in set (0.00 sec)
```

- c) Items associated with those invoices

```
[MariaDB [Ch07_SaleCo]> SELECT * FROM LINE WHERE INV_NUMBER = 1005;
+-----+-----+-----+-----+
| INV_NUMBER | LINE_NUMBER | P_CODE   | LINE_UNIT | LINE_PRICE |
+-----+-----+-----+-----+
|          1005 |           1 | PVC23DRT |       12.00 |         5.87 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

- d) Product description and prices for those items. You may wish to create a report in the word processor.

```
[MariaDB [Ch07_SaleCo]> SELECT P_DESCRIPT, P_PRICE FROM PRODUCT WHERE P_CODE = 'PVC23DRT';
+-----+-----+
| P_DESCRIPT | P_PRICE |
+-----+-----+
| PVC pipe, 3.5-in., 8-ft |     5.87 |
+-----+-----+
1 row in set (0.00 sec)
```

With all the information above, we can now summaries that the complete report for Anne Farriss:

Customer Code: 10018

Name: Anne Farriss

Phone Number: 713-382-7185

Balance: \$ 216.55

Invoice Number: 1005

Invoice Date: 2018/01/17 00:00:00

Line Number: 1005

Product Code: PVC23DRT

Product Description: PVC pipe, 3.5-in., 8-ft

Product Price: \$ 5.87

Line Unit: 12.00

Line Price: \$ 5.87