

#CSIS 1550 Spencer Rosenvall
#Premiere Products Single-table Queries

#1 mysql> SELECT PART_NUM, DESCRIPTION, PRICE
-> FROM PART;

PART_NUM	DESCRIPTION	PRICE
AT94	Iron	24.95
BV06	Home Gym	794.95
CD52	Microwave Oven	165.00
DL71	Cordless Drill	129.95
DR93	Gas Range	495.00
DW11	Washer	399.99
FD21	Stand Mixer	159.95
KL62	Dryer	349.95
KT03	Dishwasher	595.00
KV29	Treadmill	1390.00

10 rows in set (0.00 sec)

#2 mysql> SELECT * FROM ORDERS;

ORDER_NUM	ORDER_DATE	CUSTOMER_NUM
21608	2007-10-20	148
21610	2007-10-20	356
21613	2007-10-21	408
21614	2007-10-21	282
21617	2007-10-23	608
21619	2007-10-23	148
21623	2007-10-23	608

7 rows in set (0.00 sec)

#3 mysql> SELECT CUSTOMER_NAME
-> FROM CUSTOMER
-> WHERE CREDIT_LIMIT <= 7500;

CUSTOMER_NAME
Al's Appliance and Sport
Ferguson's
The Everything Shop
Lee's Sport and Appliance
Deerfield's Four Seasons
All Season

6 rows in set (0.00 sec)

#4 mysql> SELECT ORDER_NUM
-> FROM ORDERS
-> WHERE CUSTOMER_NUM = '148'
-> AND ORDER_DATE = '2007-10-20';

ORDER_NUM

```
| 21608 |
+-----+
1 row in set (0.00 sec)
```

```
#5 mysql> SELECT CUSTOMER_NUM, CUSTOMER_NAME
-> FROM CUSTOMER
-> WHERE REP_NUM = '35'
-> OR REP_NUM = '65';
```

```
+-----+-----+
| CUSTOMER_NUM | CUSTOMER_NAME |
+-----+-----+
| 282          | Brookings Direct |
| 356          | Ferguson's       |
| 408          | The Everything Shop |
| 462          | Bargains Galore  |
| 608          | Johnson's Department |
Store |
| 687          | Lee's Sport and Appliance |
| 725          | Deerfield's Four Seasons |
+-----+-----+
7 rows in set (0.01 sec)
```

```
#6 mysql> SELECT PART_NUM, DESCRIPTION
-> FROM PART
-> WHERE NOT (CLASS = 'SG');
```

```
+-----+-----+
| PART_NUM | DESCRIPTION |
+-----+-----+
| AT94     | Iron       |
| CD52     | Microwave Oven |
| DL71     | Cordless Drill |
| DR93     | Gas Range  |
| DW11     | Washer     |
| FD21     | Stand Mixer |
| KL62     | Dryer      |
| KT03     | Dishwasher |
+-----+-----+
8 rows in set (0.00 sec)
```

```
#7 mysql> SELECT PART_NUM, DESCRIPTION, ON_HAND
-> FROM PART
-> WHERE ON_HAND >= 10
-> AND ON_HAND <= 25;
```

```
+-----+-----+-----+
| PART_NUM | DESCRIPTION | ON_HAND |
+-----+-----+-----+
| DL71     | Cordless Drill | 21 |
| DW11     | Washer       | 12 |
| FD21     | Stand Mixer   | 22 |
| KL62     | Dryer        | 12 |
+-----+-----+-----+
4 rows in set (0.01 sec)
```

```
mysql> SELECT PART_NUM, DESCRIPTION, ON_HAND
-> FROM PART
-> WHERE NOT ON_HAND < 10
-> AND NOT ON_HAND > 25;
```

```
+-----+-----+-----+
```

```
| PART_NUM | DESCRIPTION | ON_HAND |
+-----+-----+-----+
| DL71    | Cordless Drill | 21 |
| DW11    | Washer        | 12 |
| FD21    | Stand Mixer   | 22 |
| KL62    | Dryer         | 12 |
+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
#8 mysql> SELECT PART_NUM, DESCRIPTION, (ON_HAND * PRICE) AS ON_HAND_VALUE
-> FROM PART
-> WHERE CLASS = 'AP';
```

```
+-----+-----+-----+
| PART_NUM | DESCRIPTION | ON_HAND_VALUE |
+-----+-----+-----+
| CD52    | Microwave Oven | 5280.00 |
| DR93    | Gas Range     | 3960.00 |
| DW11    | Washer        | 4799.88 |
| KL62    | Dryer         | 4199.40 |
| KT03    | Dishwasher    | 4760.00 |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
#9 mysql> SELECT PART_NUM, DESCRIPTION, (ON_HAND * PRICE) AS ON_HAND_VALUE FROM PART
WHERE (ON_HAND * PRICE) >= 7500;
```

```
+-----+-----+-----+
| PART_NUM | DESCRIPTION | ON_HAND_VALUE |
+-----+-----+-----+
| BV06    | Home Gym     | 35772.75 |
| KV29    | Treadmill    | 12510.00 |
+-----+-----+-----+
```

2 rows in set (0.00 sec)

```
#10 mysql> SELECT PART_NUM, DESCRIPTION FROM PART WHERE CLASS IN ('AP', 'SG');
```

```
+-----+-----+
| PART_NUM | DESCRIPTION |
+-----+-----+
| BV06    | Home Gym     |
| CD52    | Microwave Oven |
| DR93    | Gas Range     |
| DW11    | Washer        |
| KL62    | Dryer         |
| KT03    | Dishwasher    |
| KV29    | Treadmill     |
+-----+-----+
```

7 rows in set (0.00 sec)

```
#11 mysql> SELECT CUSTOMER_NUM, CUSTOMER_NAME FROM CUSTOMER WHERE CUSTOMER_NAME
LIKE 'K%';
```

```
+-----+-----+
| CUSTOMER_NUM | CUSTOMER_NAME |
+-----+-----+
| 524          | Kline's       |
+-----+-----+
```

1 row in set (0.00 sec)

```
#12 mysql> SELECT *
-> FROM PART
```

-> GROUP BY DESCRIPTION;

PART_NUM	DESCRIPTION	ON_HAND	CLASS	WAREHOUSE	PRICE
DL71	Cordless Drill	21	HW	3	129.95
KT03	Dishwasher	8	AP	3	595.00
KL62	Dryer	12	AP	1	349.95
DR93	Gas Range	8	AP	2	495.00
BV06	Home Gym	45	SG	2	794.95
AT94	Iron	50	HW	3	24.95
CD52	Microwave Oven	32	AP	1	165.00
FD21	Stand Mixer	22	HW	3	159.95
KV29	Treadmill	9	SG	2	1390.00
DW11	Washer	12	AP	3	399.99

10 rows in set (0.00 sec)

#13 mysql> SELECT *

-> FROM PART

-> ORDER BY CLASS, PART_NUM;

PART_NUM	DESCRIPTION	ON_HAND	CLASS	WAREHOUSE	PRICE
CD52	Microwave Oven	32	AP	1	165.00
DR93	Gas Range	8	AP	2	495.00
DW11	Washer	12	AP	3	399.99
KL62	Dryer	12	AP	1	349.95
KT03	Dishwasher	8	AP	3	595.00
AT94	Iron	50	HW	3	24.95
DL71	Cordless Drill	21	HW	3	129.95
FD21	Stand Mixer	22	HW	3	159.95
BV06	Home Gym	45	SG	2	794.95
KV29	Treadmill	9	SG	2	1390.00

10 rows in set (0.00 sec)

#14 mysql> SELECT COUNT(BALANCE > CREDIT_LIMIT)

-> FROM CUSTOMER;

COUNT(BALANCE > CREDIT_LIMIT)
10

1 row in set (0.00 sec)

#15 mysql> SELECT SUM(BALANCE)

-> FROM CUSTOMER

-> WHERE REP_NUM = '65'

-> AND BALANCE < CREDIT_LIMIT;

SUM(BALANCE)
11303.00

1 row in set (0.00 sec)

#16 mysql> SELECT PART_NUM, DESCRIPTION, (ON_HAND * PRICE) AS ON_HAND_VALUE FROM PART
WHERE ON_HAND > (SELECT AVG(ON_HAND) FROM PART);

```

+-----+-----+-----+
| PART_NUM | DESCRIPTION | ON_HAND_VALUE |
+-----+-----+-----+
| AT94    | Iron       | 1247.50 |
| BV06    | Home Gym   | 35772.75 |
| CD52    | Microwave Oven | 5280.00 |
| FD21    | Stand Mixer | 3518.90 |
+-----+-----+-----+
4 rows in set (0.01 sec)

```

```

#17 mysql> SELECT MAX(PRICE)
-> FROM PART;

```

```

+-----+
| MAX(PRICE) |
+-----+
| 1390.00 |
+-----+
1 row in set (0.00 sec)

```

```

#18 mysql> SELECT PART_NUM, DESCRIPTION, PRICE FROM PART WHERE PRICE = (SELECT MAX(PRICE)
FROM PART);

```

```

+-----+-----+-----+
| PART_NUM | DESCRIPTION | PRICE |
+-----+-----+-----+
| KV29    | Treadmill | 1390.00 |
+-----+-----+-----+
1 row in set (0.00 sec)

```

```

#19 mysql> SELECT SUM(BALANCE)
-> FROM CUSTOMER
-> GROUP BY REP_NUM;

```

```

+-----+
| SUM(BALANCE) |
+-----+
| 27533.00 |
| 8815.75 |
| 11303.00 |
+-----+
3 rows in set (0.00 sec)

```

```

#20 mysql> SELECT SUM(BALANCE) FROM CUSTOMER GROUP BY REP_NUM HAVING SUM(BALANCE) >
10000;

```

```

+-----+
| SUM(BALANCE) |
+-----+
| 27533.00 |
| 11303.00 |
+-----+
2 rows in set (0.00 sec)

```

```

#21 mysql> SELECT PART_NUM
-> FROM PART
-> WHERE DESCRIPTION IS NULL;
Empty set (0.00 sec)

```

```

mysql> notee

```