mysql> use practice2;

Database changed

mysql> create table orders(ord\_no int primary key,purch\_amt double,ord\_date

varchar(255),customer\_id int,salesman\_id int);

Query OK, 0 rows affected (0.06 sec)

mysql> desc orders;

+-------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+--------------+------+-----+---------+-------+

| ord\_no | int | NO | PRI | NULL | |

| purch\_amt | double | YES | | NULL | |

| ord\_date | varchar(255) | YES | | NULL | |

| customer\_id | int | YES | | NULL | |

| salesman\_id | int | YES | | NULL | |

+-------------+--------------+------+-----+---------+-------+

5 rows in set (0.01 sec)

mysql>

mysql>

mysql> insert into orders value(70001,150.5,2012-10-05,3005,5002);

Query OK, 1 row affected (0.02 sec)

mysql> insert into orders values(70009,270.65,'2012-09-10',3001,5005);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70002,65.26,'2012-10-05',3002,5001);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70004,110.5,'2012-08-17',3009,5003);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70007,948.5,'2012-09-10',3005,5002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70005,2400.6,'2012-07-27',3007,5001);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70008,5760,'2012-09-10',3002,5001);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(700010,1983.43,'2012-10-10',3004,5006);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70003,2480.4,'2012-10-10',3009,5003);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(700012,250.45,'2012-06-27',3008,5002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70011,75.29,'2012-08-17',3003,5007);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(70013,3045.6,'2012-04-25',3002,5001);

Query OK, 1 row affected (0.01 sec)

mysql> select\*from orders;

+--------+-----------+------------+-------------+-------------+

| ord\_no | purch\_amt | ord\_date | customer\_id | salesman\_id |

+--------+-----------+------------+-------------+-------------+

| 70001 | 150.5 | 1997 | 3005 | 5002 |

| 70002 | 65.26 | 2012-10-05 | 3002 | 5001 |

| 70003 | 2480.4 | 2012-10-10 | 3009 | 5003 |

| 70004 | 110.5 | 2012-08-17 | 3009 | 5003 |

| 70005 | 2400.6 | 2012-07-27 | 3007 | 5001 |

| 70007 | 948.5 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760 | 2012-09-10 | 3002 | 5001 |

| 70009 | 270.65 | 2012-09-10 | 3001 | 5005 |

| 70011 | 75.29 | 2012-08-17 | 3003 | 5007 |

| 70013 | 3045.6 | 2012-04-25 | 3002 | 5001 |

| 700010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

| 700012 | 250.45 | 2012-06-27 | 3008 | 5002 |

+--------+-----------+------------+-------------+-------------+

12 rows in set (0.00 sec)

1)

mysql> select sum(purch\_amt)as total from orders;

+----------+

| total |

+----------+

| 17541.18 |

+----------+

1 row in set (0.01 sec)

2)

mysql> select avg(purch\_amt)as total from orders;

+----------+

| total |

+----------+

| 1461.765 |

+----------+

1 row in set (0.01 sec)

**OR**

mysql> select avg(purch\_amt)as avg from orders;

+----------+

| avg |

+----------+

| 1461.765 |

+----------+

1 row in set (0.00 sec)

**3)**

mysql> select count(distinct salesman\_id)from orders;

+-----------------------------+

| count(distinct salesman\_id) |

+-----------------------------+

| 6 |

+-----------------------------+

1 row in set (0.01 sec)

**OR**

mysql> select count(salesman\_id)from orders;

+--------------------+

| count(salesman\_id) |

+--------------------+

| 12 |

+--------------------+

1 row in set (0.00 sec)

**4)**

mysql> select max(purch\_amt)from orders;

+----------------+

| max(purch\_amt) |

+----------------+

| 5760 |

+----------------+

1 row in set (0.01 sec)

**5)**

mysql> select min(purch\_amt)from orders;

+----------------+

| min(purch\_amt) |

+----------------+

| 65.26 |

+----------------+

1 row in set (0.01 sec)

**6)**

mysql> select max(purch\_amt),customer\_id from orders group by customer\_id;

+----------------+-------------+

| max(purch\_amt) | customer\_id |

+----------------+-------------+

| 948.5 | 3005 |

| 5760 | 3002 |

| 2480.4 | 3009 |

| 2400.6 | 3007 |

| 270.65 | 3001 |

| 75.29 | 3003 |

| 1983.43 | 3004 |

| 250.45 | 3008 |

+----------------+-------------+

8 rows in set (0.01 sec)

7)

mysql> select max(purch\_amt),ord\_date

-> from orders

-> GROUP BY ord\_date;

+----------------+------------+

| max(purch\_amt) | ord\_date |

+----------------+------------+

| 150.5 | 1997 |

| 65.26 | 2012-10-05 |

| 2480.4 | 2012-10-10 |

| 110.5 | 2012-08-17 |

| 2400.6 | 2012-07-27 |

| 5760 | 2012-09-10 |

| 3045.6 | 2012-04-25 |

| 250.45 | 2012-06-27 |

+----------------+------------+

8 rows in set (0.00 sec)

8)

mysql> select max(purch\_amt),salesman\_id

-> from orders

-> where ord\_date='2012-08-17' GROUP BY salesman\_id;

+----------------+-------------+

| max(purch\_amt) | salesman\_id |

+----------------+-------------+

| 110.5 | 5003 |

| 75.29 | 5007 |

+----------------+-------------+

2 rows in set (0.00 sec)

9)

mysql> select max(purch\_amt),ord\_date,customer\_id from orders where ord\_date='2012-08-17' GROUP BY customer\_id order by max(purch\_amt);

+----------------+------------+-------------+

| max(purch\_amt) | ord\_date | customer\_id |

+----------------+------------+-------------+

| 75.29 | 2012-08-17 | 3003 |

| 110.5 | 2012-08-17 | 3009 |

+----------------+------------+-------------+

2 rows in set (0.00 sec)

10)

mysql> select max(purch\_amt),customer\_id,ord\_date from orders where (purch\_amt between 2000 and 6000)GROUP BY customer\_id,ord\_date;

+----------------+-------------+------------+

| max(purch\_amt) | customer\_id | ord\_date |

+----------------+-------------+------------+

| 2480.4 | 3009 | 2012-10-10 |

| 2400.6 | 3007 | 2012-07-27 |

| 5760 | 3002 | 2012-09-10 |

| 3045.6 | 3002 | 2012-04-25 |

+----------------+-------------+------------+

4 rows in set (0.00 sec)

11)

mysql> SELECT max(purch\_amt),customer\_id,ord\_date from orders

-> where(purch\_amt) in(2000,3000,5760,6000)GROUP BY customer\_id,ord\_date

;

+----------------+-------------+------------+

| max(purch\_amt) | customer\_id | ord\_date |

+----------------+-------------+------------+

| 5760 | 3002 | 2012-09-10 |

+----------------+-------------+------------+

1 row in set (0.00 sec)

12)

mysql> select max(purch\_amt),customer\_id from orders where (customer\_id betw

een 3002 and 3007)group by customer\_id;

+----------------+-------------+

| max(purch\_amt) | customer\_id |

+----------------+-------------+

| 948.5 | 3005 |

| 5760 | 3002 |

| 2400.6 | 3007 |

| 75.29 | 3003 |

| 1983.43 | 3004 |

+----------------+-------------+

5 rows in set (0.00 sec)

13)

mysql> select max(purch\_amt),customer\_id from orders where (customer\_id between 3002 and 3007)and (purch\_amt)>1000 GROUP BY customer\_id;

+----------------+-------------+

| max(purch\_amt) | customer\_id |

+----------------+-------------+

| 2400.6 | 3007 |

| 5760 | 3002 |

| 1983.43 | 3004 |

+----------------+-------------+

3 rows in set (0.00 sec)

14)

mysql> select max(purch\_amt),salesman\_id from orders where(salesman\_id betwe

en 5003 and 5008)group by salesman\_id;

+----------------+-------------+

| max(purch\_amt) | salesman\_id |

+----------------+-------------+

| 2480.4 | 5003 |

| 270.65 | 5005 |

| 75.29 | 5007 |

| 1983.43 | 5006 |

+----------------+-------------+

4 rows in set (0.00 sec)

15)

mysql> select count(\*) from orders where ord\_date='2012-08-17'

-> ;

+----------+

| count(\*) |

+----------+

| 2 |

+----------+

1 row in set (0.01 sec)

16)

mysql> select count(ord\_no),salesman\_id,ord\_date from orders GROUP BY ord\_da

te,salesman\_id;

+---------------+-------------+------------+

| count(ord\_no) | salesman\_id | ord\_date |

+---------------+-------------+------------+

| 1 | 5002 | 1997 |

| 1 | 5001 | 2012-10-05 |

| 1 | 5003 | 2012-10-10 |

| 1 | 5003 | 2012-08-17 |

| 1 | 5001 | 2012-07-27 |

| 1 | 5002 | 2012-09-10 |

| 1 | 5001 | 2012-09-10 |

| 1 | 5005 | 2012-09-10 |

| 1 | 5007 | 2012-08-17 |

| 1 | 5001 | 2012-04-25 |

| 1 | 5006 | 2012-10-10 |

| 1 | 5002 | 2012-06-27 |

+---------------+-------------+------------+

12 rows in set (0.00 sec)

17)

mysql> select ord\_date,salesman\_id,ord\_no,purch\_amt from orders;

+------------+-------------+--------+-----------+

| ord\_date | salesman\_id | ord\_no | purch\_amt |

+------------+-------------+--------+-----------+

| 1997 | 5002 | 70001 | 150.5 |

| 2012-10-05 | 5001 | 70002 | 65.26 |

| 2012-10-10 | 5003 | 70003 | 2480.4 |

| 2012-08-17 | 5003 | 70004 | 110.5 |

| 2012-07-27 | 5001 | 70005 | 2400.6 |

| 2012-09-10 | 5002 | 70007 | 948.5 |

| 2012-09-10 | 5001 | 70008 | 5760 |

| 2012-09-10 | 5005 | 70009 | 270.65 |

| 2012-08-17 | 5007 | 70011 | 75.29 |

| 2012-04-25 | 5001 | 70013 | 3045.6 |

| 2012-10-10 | 5006 | 700010 | 1983.43 |

| 2012-06-27 | 5002 | 700012 | 250.45 |

+------------+-------------+--------+-----------+

12 rows in set (0.00 sec)

18)

mysql> select distinct salesman\_id from orders;

+-------------+

| salesman\_id |

+-------------+

| 5002 |

| 5001 |

| 5003 |

| 5005 |

| 5007 |

| 5006 |

+-------------+

6 rows in set (0.00 sec)

19)

mysql> select ord\_no,ord\_date,purch\_amt from orders where salesman\_id=5001;

+--------+------------+-----------+

| ord\_no | ord\_date | purch\_amt |

+--------+------------+-----------+

| 70002 | 2012-10-05 | 65.26 |

| 70005 | 2012-07-27 | 2400.6 |

| 70008 | 2012-09-10 | 5760 |

| 70013 | 2012-04-25 | 3045.6 |

+--------+------------+-----------+

4 rows in set (0.00 sec)

20)

mysql> select\*from orders order by ord\_date;

+--------+-----------+------------+-------------+-------------+

| ord\_no | purch\_amt | ord\_date | customer\_id | salesman\_id |

+--------+-----------+------------+-------------+-------------+

| 70001 | 150.5 | 1997 | 3005 | 5002 |

| 70013 | 3045.6 | 2012-04-25 | 3002 | 5001 |

| 700012 | 250.45 | 2012-06-27 | 3008 | 5002 |

| 70005 | 2400.6 | 2012-07-27 | 3007 | 5001 |

| 70004 | 110.5 | 2012-08-17 | 3009 | 5003 |

| 70011 | 75.29 | 2012-08-17 | 3003 | 5007 |

| 70007 | 948.5 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760 | 2012-09-10 | 3002 | 5001 |

| 70009 | 270.65 | 2012-09-10 | 3001 | 5005 |

| 70002 | 65.26 | 2012-10-05 | 3002 | 5001 |

| 70003 | 2480.4 | 2012-10-10 | 3009 | 5003 |

| 700010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

+--------+-----------+------------+-------------+-------------+

12 rows in set (0.00 sec)

21)

mysql> select\*from orders ORDER BY ord\_date desc;

+--------+-----------+------------+-------------+-------------+

| ord\_no | purch\_amt | ord\_date | customer\_id | salesman\_id |

+--------+-----------+------------+-------------+-------------+

| 70003 | 2480.4 | 2012-10-10 | 3009 | 5003 |

| 700010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

| 70002 | 65.26 | 2012-10-05 | 3002 | 5001 |

| 70007 | 948.5 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760 | 2012-09-10 | 3002 | 5001 |

| 70009 | 270.65 | 2012-09-10 | 3001 | 5005 |

| 70004 | 110.5 | 2012-08-17 | 3009 | 5003 |

| 70011 | 75.29 | 2012-08-17 | 3003 | 5007 |

| 70005 | 2400.6 | 2012-07-27 | 3007 | 5001 |

| 700012 | 250.45 | 2012-06-27 | 3008 | 5002 |

| 70013 | 3045.6 | 2012-04-25 | 3002 | 5001 |

| 70001 | 150.5 | 1997 | 3005 | 5002 |

+--------+-----------+------------+-------------+-------------+

12 rows in set (0.00 sec)

22)

mysql> select\* from orders ORDER BY ord\_date,purch\_amt desc;

+--------+-----------+------------+-------------+-------------+

| ord\_no | purch\_amt | ord\_date | customer\_id | salesman\_id |

+--------+-----------+------------+-------------+-------------+

| 70001 | 150.5 | 1997 | 3005 | 5002 |

| 70013 | 3045.6 | 2012-04-25 | 3002 | 5001 |

| 700012 | 250.45 | 2012-06-27 | 3008 | 5002 |

| 70005 | 2400.6 | 2012-07-27 | 3007 | 5001 |

| 70004 | 110.5 | 2012-08-17 | 3009 | 5003 |

| 70011 | 75.29 | 2012-08-17 | 3003 | 5007 |

| 70008 | 5760 | 2012-09-10 | 3002 | 5001 |

| 70007 | 948.5 | 2012-09-10 | 3005 | 5002 |

| 70009 | 270.65 | 2012-09-10 | 3001 | 5005 |

| 70002 | 65.26 | 2012-10-05 | 3002 | 5001 |

| 70003 | 2480.4 | 2012-10-10 | 3009 | 5003 |

| 700010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

+--------+-----------+------------+-------------+-------------+

12 rows in set (0.00 sec)

23)

mysql> select salesman\_id,ord\_date,max(purch\_amt) from orders group by ord\_d

ate,salesman\_id order by salesman\_id,ord\_date;

+-------------+------------+----------------+

| salesman\_id | ord\_date | max(purch\_amt) |

+-------------+------------+----------------+

| 5001 | 2012-04-25 | 3045.6 |

| 5001 | 2012-07-27 | 2400.6 |

| 5001 | 2012-09-10 | 5760 |

| 5001 | 2012-10-05 | 65.26 |

| 5002 | 1997 | 150.5 |

| 5002 | 2012-06-27 | 250.45 |

| 5002 | 2012-09-10 | 948.5 |

| 5003 | 2012-08-17 | 110.5 |

| 5003 | 2012-10-10 | 2480.4 |

| 5005 | 2012-09-10 | 270.65 |

| 5006 | 2012-10-10 | 1983.43 |

| 5007 | 2012-08-17 | 75.29 |

+-------------+------------+----------------+

12 rows in set (0.00 sec)