Create following tables in spj database.

mysql> SELECT * FROM s;

```
+----+
| S# | Sname | status | city |
+----+
| S1 | Smith | 20 | London |
| S2 | Jones | 10 | Paris |
| S3 | Blake | 30 | Paris |
| S4 | Clark | 20 | London |
| S5 | Adams | 30 | Athens |
+----+
```

mysql> SELECT * FROM p;

```
+---+----+
| p# | Pname | color | weight | city |
+---+----+
| p1 | Nut | RED | 12 | london |
| p2 | bolt | green | 17 | paris |
| p3 | SCREW | blue | 17 | ROME |
| p4 | Screw | RED | 14 | london |
| p5 | cam | blue | 12 | paris |
| p6 | cog | red | 19 | london |
| +---+-----+
```

mysql> SELECT * FROM j;

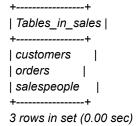
```
+---+----+
| J# | Jname | City |
+---+----+
| j1 | sorter | paris |
| j2 | punch | rome |
| j3 | reader | athens |
| j4 | console | athens |
| j5 | collator | london |
| j6 | terminal | oslo |
| j7 | tape | london |
+----+
```

mysql> SELECT * FROM sp;

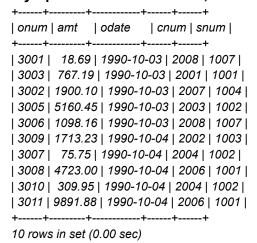
+---+ | S# | P# | J# | QTY | +---+ | S1 | P1 | J1 | 200 | | S1 | P1 | J4 | 700 | | S2 | P3 | J1 | 400 | | S2 | P3 | J2 | 200 | | S2 | P3 | J3 | 200 | | S2 | P3 | J4 | 500 | | S2 | P3 | J5 | 600 | | S2 | P3 | J6 | 400 | | S2 | P3 | J7 | 800 | | S2 | P5 | J2 | 100 | | S3 | P3 | J1 | 200 | | S3 | P4 | J2 | 500 | | S4 | P6 | J3 | 300 | | S4 | P6 | J7 | 300 | | S5 | P2 | J2 | 200 | | S5 | P2 | J4 | 100 | | S5 | P5 | J5 | 500 | | S5 | P5 | J7 | 100 | | S5 | P6 | J2 | 200 | | S5 | P1 | J4 | 100 | | S5 | P3 | J4 | 200 | | S5 | P4 | J4 | 800 | | S5 | P5 | J4 | 400 | | S5 | P6 | J4 | 500 | +---+

1. How many orders data is present in the database?

show tables;

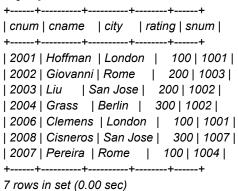


mysql> select * from orders;



2. How many customers are present in the database?

mysql> select * from customers;

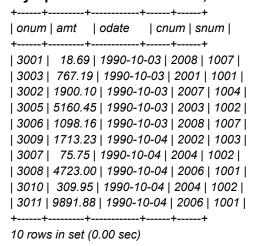


3. How many salespeople are present in the database?

mysql> select * from salespeople;

++
snum sname city comm
++
1001 Peel London 0.12
1002 Serres San Jose 0.13
1004 Motika London 0.11
1007 Rifkin Barcelona 0.15
1003 Axelrod New York 0.10
++

4. On which date order with highest amount is placed? mysql> select * from orders;



mysql> SELECT * FROM orders ORDER BY amt DESC;

++
onum amt odate cnum snum
++
3011 9891.88 1990-10-04 2006 1001
3005 5160.45 1990-10-03 2003 1002
3008 4723.00 1990-10-04 2006 1001
3002 1900.10 1990-10-03 2007 1004
3009 1713.23 1990-10-04 2002 1003
3006 1098.16 1990-10-03 2008 1007
3003 767.19 1990-10-03 2001 1001
3010 309.95 1990-10-04 2004 1002
3007 75.75 1990-10-04 2004 1002
3001 18.69 1990-10-03 2008 1007
++
10 rows in set (0.00 sec)

mysql> SELECT * FROM orders ORDER BY amt DESC LIMIT 1;

```
+----+
| onum | amt | odate | cnum | snum |
```

```
+-----+
| 3011 | 9891.88 | 1990-10-04 | 2006 | 1001 |
+-----+
1 row in set (0.00 sec)
```

mysql> SELECT odate FROM orders ORDER BY amt DESC LIMIT 1;

```
+-----+
| odate |
+-----+
| 1990-10-04 |
+------+
```

9. What is name of customer and salesman of the maximum amount order?

mysql> SELECT * from orders ORDER BY amt LIMIT 1;

```
+-----+
| onum | amt | odate | cnum | snum |
+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
+-----+
```

10. Study relationship between the tables in sales database.

mysql> select * from salespeople;

```
+----+
| snum | sname | city | comm |
+----+
| 1001 | Peel | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
+-----+
```