```
MariaDB [supplier]> select distinct s.sname from suppliers s,catalog c where s.sid=c.sid and c.pid in(select pid from pa
rts where color="Red");
+-------------+
| sname       |
+-------------+
| Acme Widget |
| Johns       |
+-------------+
2 rows in set (0.270 sec)
```

```
MariaDB [supplier]> select * from CATALOG;
+-------+-------+------+
| sid   | pid   | cost |
+-------+-------+------+
| 10001 | 20001 |   10 |
| 10001 | 20002 |   10 |
| 10001 | 20003 |   30 |
| 10001 | 20004 |   10 |
| 10001 | 20005 |   10 |
| 10002 | 20001 |   10 |
| 10002 | 20002 |   20 |
| 10003 | 20003 |   30 |
| 10004 | 20003 |   40 |
+-------+-------+------+
9 rows in set (0.433 sec)
```

```
                                    supplier;
+--------+--------------+-------------+
| sid    | sname        | city        |
+--------+--------------+-------------+
| 10001  | Acme Widget  | bangalore   |
| 10002  | Johns        | Kolkata     |
| 10003  | Vimal        | Mumbai      |
| 10004  | Reliance     | Delhi       |
| 10005  | Mahindra     | Mumbai      |
+--------+--------------+-------------+
5 rows in set (0.215 sec)

MariaDB [supplier]> select * from parts;
+--------+----------+--------+
| pid    | pname    | color  |
+--------+----------+--------+
| 20001  | Book     | Red    |
| 20002  | Pen      | Red    |
| 20003  | Pencil   | Green  |
| 20004  | Mobile   | Green  |
| 20005  | Charger  | Black  |
+--------+----------+--------+
5 rows in set (0.207 sec)
```

```
MariaDB [supplier]> select distinct P.pname from PARTS P, CATALOG C where P.pid = C.pid;
+---------+
| pname   |
+---------+
| Book    |
| Pen     |
| Pencil  |
| Mobile  |
| Charger |
+---------+
5 rows in set (0.110 sec)
```

```
MariaDB [supplier]> SELECT DISTINCT C.sid FROM CATALOG C WHERE C.cost > ( SELECT AVG (C1.cost) FROM CATALOG C1 WHERE C1.
pid = C.pid );
+-------+
| sid   |
+-------+
| 10002 |
| 10004 |
+-------+
2 rows in set (0.790 sec)
```

```
MariaDB [supplier]> select distinct s.sname from suppliers s,catalog c where s.sid=c.sid and c.pid in(select pid from pa
rts where color="Red");
+--------------+
| sname        |
+--------------+
| Acme Widget  |
| Johns        |
+--------------+
2 rows in set (0.270 sec)
```

```
MariaDB [supplier]> select c.pid,s.sname from suppliers s,catalog c where s.sid=c.sid and c.cost=(select max(cost) from
catalog where pid=c.pid);
+-------+-------------+
| pid   | sname       |
+-------+-------------+
| 20001 | Acme Widget |
| 20004 | Acme Widget |
| 20005 | Acme Widget |
| 20001 | Johns       |
| 20002 | Johns       |
| 20003 | Reliance    |
+-------+-------------+
6 rows in set (0.225 sec)
```

```
MariaDB [supplier]> select suppliers.sname,catalog.sid from suppliers,catalog where suppliers.sid=catalog.sid group by s
uppliers.sname having count(catalog.sid)=(select count(pid) from parts);
+-------------+-------+
| sname       | sid   |
+-------------+-------+
| Acme Widget | 10001 |
+-------------+-------+
1 row in set (0.327 sec)
```