Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 5

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| test |

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

2 rows in set (0.00 sec)

MariaDB [(none)]> use test;

Database changed

MariaDB [test]> show tables;

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

| Tables\_in\_test |

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

| customer |

| orders |

| salesman |

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

3 rows in set (0.00 sec)

MariaDB [test]> select \* from customers;

ERROR 1146 (42S02): Table 'test.customers' doesn't exist

MariaDB [test]> select \* from customer;

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

| customer\_id | cust\_name | city | grade | salesman\_id |

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

| 3001 | Brad Guzan | London | NULL | 5005 |

| 3002 | Nick Rimando | New York | 100 | 5001 |

| 3003 | Jozy Altidor | Moscow | 200 | 5007 |

| 3004 | Fabian Johnson | Paris | 300 | 5006 |

| 3005 | Graham Zusi | California | 200 | 5002 |

| 3007 | Brad Davis | New York | 200 | 5001 |

| 3008 | Julian Green | London | 300 | 5002 |

| 3009 | Geoff Cameron | Berlin | 100 | 5003 |

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

8 rows in set (0.00 sec)

MariaDB [test]> select \* from orders;

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

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

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

| 70001 | 150.50 | 2012-10-05 | 3005 | 5002 |

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

| 70003 | 2480.40 | 2012-10-10 | 3009 | 5003 |

| 70004 | 110.50 | 2012-08-17 | 3009 | 5003 |

| 70005 | 2400.60 | 2012-07-27 | 3007 | 5001 |

| 70007 | 948.50 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

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

| 70010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

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

| 70012 | 250.45 | 2012-06-27 | 3008 | 5002 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

12 rows in set (0.00 sec)

MariaDB [test]> select \* from salesman;

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

| salesman\_id | name | city | commission |

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

| 5001 | James Hoog | New York | 0.15 |

| 5002 | Nail Knite | Paris | 0.13 |

| 5003 | Lauson Hen | San Jose | 0.12 |

| 5005 | Pit Alex | London | 0.11 |

| 5006 | Mc Lyon | Paris | 0.14 |

| 5007 | Paul Adam | Rome | 0.13 |

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

6 rows in set (0.00 sec)

MariaDB [test]> select \* from orders where salesman\_id = (select salesman\_id from salesman where name = 'Paul Adam');

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [test]> SELECT \* FROM orders WHERE salesman\_id = (SELECT DISTINCT salesman\_id FROM orders WHERE customer\_id =3007);

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

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

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

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

| 70005 | 2400.60 | 2012-07-27 | 3007 | 5001 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

4 rows in set (0.00 sec)

MariaDB [test]> MariaDB [test]> select \* from orders where purch\_amt > (select avg (purch\_amt) from orders where ord\_date ='2012-10-10');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'MariaDB [test]> select \* from orders where purch\_amt > (select avg (purch\_amt) f' at line 1

MariaDB [test]> select \* from orders where purch\_amt > (select avg (purch\_amt) from orders where ord\_date ='2012-10-10');

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

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

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

| 70003 | 2480.40 | 2012-10-10 | 3009 | 5003 |

| 70005 | 2400.60 | 2012-07-27 | 3007 | 5001 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

4 rows in set (0.00 sec)

MariaDB [test]> select \* from orders WHERE salesman\_id IN (select salesman\_id FROM salesman WHERE city ='New York'

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [test]> select \* from orders WHERE salesman\_id IN (select salesman\_id FROM salesman WHERE city ='New York';

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [test]> select \* from orders WHERE salesman\_id IN (select salesman\_id FROM salesman WHERE city ='New York');

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

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

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

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

| 70005 | 2400.60 | 2012-07-27 | 3007 | 5001 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

4 rows in set (0.00 sec)

MariaDB [test]> SELECT \* FROM customer a,orders b WHERE a.customer\_id=b.customer\_id AND b.ord\_date='2012-10-05';

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

| customer\_id | cust\_name | city | grade | salesman\_id | ord\_no | purch\_amt | ord\_date | customer\_id | salesman\_id |

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

| 3005 | Graham Zusi | California | 200 | 5002 | 70001 | 150.50 | 2012-10-05 | 3005 | 5002 |

| 3002 | Nick Rimando | New York | 100 | 5001 | 70002 | 65.26 | 2012-10-05 | 3002 | 5001 |

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

2 rows in set (0.00 sec)

MariaDB [test]> select salesman\_id, name from salesman a where 1 < (select count(\*) from customer where salesman\_id=a.salesman\_id);

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

| salesman\_id | name |

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

| 5001 | James Hoog |

| 5002 | Nail Knite |

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

2 rows in set (0.00 sec)

MariaDB [test]> SELECT \* FROM orders a WHERE purch\_amt > (SELECT AVG(purch\_amt) FROM orders b WHERE b.customer\_id = a.customer\_id);

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

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

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

| 70003 | 2480.40 | 2012-10-10 | 3009 | 5003 |

| 70007 | 948.50 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

4 rows in set (0.00 sec)

MariaDB [test]> SELECT \* FROM Orders WHERE purch\_amt > ANY (SELECT purch\_amt FROM orders WHERE ord\_date='2012-09-10');

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

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

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

| 70003 | 2480.40 | 2012-10-10 | 3009 | 5003 |

| 70005 | 2400.60 | 2012-07-27 | 3007 | 5001 |

| 70007 | 948.50 | 2012-09-10 | 3005 | 5002 |

| 70008 | 5760.00 | 2012-09-10 | 3002 | 5001 |

| 70010 | 1983.43 | 2012-10-10 | 3004 | 5006 |

| 70013 | 3045.60 | 2012-04-25 | 3002 | 5001 |

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

6 rows in set (0.00 sec)

MariaDB [test]> SELECT grade FROM customer WHERE city='New York';

+-------+

| grade |

+-------+

| 100 |

| 200 |

+-------+

2 rows in set (0.00 sec)

MariaDB [test]> SELECT \* FROM customer WHERE grade > ALL (SELECT grade FROM customer WHERE city='New York');

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

| customer\_id | cust\_name | city | grade | salesman\_id |

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

| 3004 | Fabian Johnson | Paris | 300 | 5006 |

| 3008 | Julian Green | London | 300 | 5002 |

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

2 rows in set (0.00 sec)

MariaDB [test]> select avg(grade) FROM customer WHERE city = 'New York';

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

| avg(grade) |

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

| 150.0000 |

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

1 row in set (0.00 sec)

MariaDB [test]> SELECT grade, COUNT (DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select AVG(grade) FROM customer WHERE city = 'New York');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select AVG(gr' at line 1

MariaDB [test]> SELECT COUNT (DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select AVG(grade) FROM customer WHERE city = 'New York');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select AVG(gr' at line 1

MariaDB [test]> COUNT (DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select AVG(grade) FROM customer WHERE city = 'New York');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'COUNT (DISTINCT customer\_id) FROM customer Group by grade HAVING grade > (select' at line 1

MariaDB [test]>