

1)

```

4 rows in set (0.000 sec)

MariaDB [test]> select product ,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
Empty set (0.001 sec)

MariaDB [test]> select product,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
Empty set (0.000 sec)

MariaDB [test]> insert into saledata values('product b','120','february','180.00','200.00');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> select*from saledata;
+-----+-----+-----+-----+-----+
| product | quantity | month | estimatedsaleprice | purchasecost |
+-----+-----+-----+-----+-----+
| product a | 100 | january | 150.00 | 120.00 |
| product b | 50 | january | 80.00 | 75.00 |
| product a | 80 | february | 140.00 | 125.00 |
| product c | 120 | february | 200.00 | 180.00 |
| product b | 120 | february | 180.00 | 200.00 |
+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [test]> select product,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
+-----+-----+-----+-----+
| product | quantity | month | recordcount |
+-----+-----+-----+-----+
| product b | 120 | february | 1 |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [test]>

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2)

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MariaDB [test]> create table bank_inventory_pricing(product_id int primary key,product_name varchar(10),price decimal(10,2),quantity int);
Query OK, 0 rows affected (0.011 sec)

MariaDB [test]> insert into bank_inventory_pricing values('1','product a','250.00','100');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> insert into bank_inventory_pricing values('2','product b','280.00','150');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into bank_inventory_pricing values('3','product c','220.50','75');
Query OK, 1 row affected, 1 warning (0.005 sec)

MariaDB [test]> insert into bank_inventory_pricing values('4','product d','295.75','200');
Query OK, 1 row affected, 1 warning (0.020 sec)

MariaDB [test]> desc bank_inventory_pricing;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| product_id | int(11) | NO | PRI | NULL | |
| product_name | varchar(10) | YES | | NULL | |
| price | decimal(10,0) | YES | | NULL | |
| quantity | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.014 sec)

MariaDB [test]> insert into bank_inventory_pricing values('3','product c','220.50','75');
Query OK, 1 row affected, 1 warning (0.005 sec)

MariaDB [test]> insert into bank_inventory_pricing values('4','product d','295.75','200');
Query OK, 1 row affected, 1 warning (0.020 sec)

MariaDB [test]> desc bank_inventory_pricing;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| product_id | int(11) | NO | PRI | NULL | |
| product_name | varchar(10) | YES | | NULL | |
| price | decimal(10,0) | YES | | NULL | |
| quantity | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.014 sec)

MariaDB [test]> select*from bank_inventory_pricing;
+-----+-----+-----+-----+
| product_id | product_name | price | quantity |
+-----+-----+-----+-----+
| 1 | product a | 250 | 100 |
| 2 | product b | 280 | 150 |
| 3 | product c | 221 | 75 |
| 4 | product d | 296 | 200 |
+-----+-----+-----+-----+
4 rows in set (0.000 sec)

MariaDB [test]> select*from bank_inventory_pricing where price between 220 and 300;
+-----+-----+-----+-----+
| product_id | product_name | price | quantity |
+-----+-----+-----+-----+
| 1 | product a | 250 | 100 |
| 3 | product c | 221 | 75 |
| 4 | product d | 296 | 200 |
+-----+-----+-----+-----+
3 rows in set (0.000 sec)

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3)

```
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into sales values('5','product b','15.50','6','february');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into sales values('6','product b','15.50','4','march');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> select*from sales;
+----+-----+-----+-----+-----+
| id | product | price | quantity | month |
+----+-----+-----+-----+-----+
| 1 | product a | 10.99 | 3 | january |
| 2 | product a | 10.99 | 5 | february |
| 3 | product a | 10.99 | 2 | march |
| 4 | product b | 15.50 | 8 | january |
| 5 | product b | 15.50 | 6 | february |
| 6 | product b | 15.50 | 4 | march |
+----+-----+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [test]> select product,price,quantity from sales where moth in ('january','february','march') group by product,price having quantity >5;
ERROR 1054 (42S22): Unknown column 'moth' in 'where clause'
MariaDB [test]> select product,price,quantity from sales where month in ('january','february','march') group by product,price having quantity >5;
+-----+-----+-----+
| product | price | quantity |
+-----+-----+-----+
| product b | 15.50 | 8 |
+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [test]>

Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into sales values('5','product b','15.50','6','february');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into sales values('6','product b','15.50','4','march');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> select*from sales;
+----+-----+-----+-----+-----+
| id | product | price | quantity | month |
+----+-----+-----+-----+-----+
| 1 | product a | 10.99 | 3 | january |
| 2 | product a | 10.99 | 5 | february |
| 3 | product a | 10.99 | 2 | march |
| 4 | product b | 15.50 | 8 | january |
| 5 | product b | 15.50 | 6 | february |
| 6 | product b | 15.50 | 4 | march |
+----+-----+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [test]> select product,price,quantity from sales where moth in ('january','february','march') group by product,price having quantity >5;
ERROR 1054 (42S22): Unknown column 'moth' in 'where clause'
MariaDB [test]> select product,price,quantity from sales where month in ('january','february','march') group by product,price having quantity >5;
+-----+-----+-----+
| product | price | quantity |
+-----+-----+-----+
| product b | 15.50 | 8 |
+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [test]>
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4).

```
MariaDB [test]> insert into saledata values('product a','100','january','150.00','120.00');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> insert into saledata values('product b','50','january','80.00','75.00');
Query OK, 1 row affected (0.020 sec)

MariaDB [test]> insert into saledata values('product a','80','february','140.00','125.00');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into saledata values('product c','120','february','200.00','180.00');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> desc saledata;
RROR 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 'd
t line 1
MariaDB [test]> desc saledata;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| product | varchar(10) | YES | | NULL | |
| quantity | int(11) | YES | | NULL | |
| month | varchar(10) | YES | | NULL | |
| estimatedsaleprice | decimal(10,2) | YES | | NULL | |
| purchasecost | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
rows in set (0.017 sec)

MariaDB [test]> select*from saledata;
+-----+-----+-----+-----+-----+
| product | quantity | month | estimatedsaleprice | purchasecost |
+-----+-----+-----+-----+-----+
| product a | 100 | january | 150.00 | 120.00 |
| product b | 50 | january | 80.00 | 75.00 |
| product a | 80 | february | 140.00 | 125.00 |
| product c | 120 | february | 200.00 | 180.00 |
+-----+-----+-----+-----+-----+
rows in set (0.000 sec)

MariaDB [test]> select product ,quantity,month,count(*) as recordcount from saledata;
```



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4 rows in set (0.000 sec)

MariaDB [test]> select product ,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
Empty set (0.001 sec)

MariaDB [test]> select product,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
Empty set (0.000 sec)

MariaDB [test]> insert into saledata values('product b','120','february','180.00','200.00');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> select*from saledata;
+-----+-----+-----+-----+-----+
| product | quantity | month | estimatedsaleprice | purchasecost |
+-----+-----+-----+-----+-----+
| product a | 100 | january | 150.00 | 120.00 |
| product b | 50 | january | 80.00 | 75.00 |
| product a | 80 | february | 140.00 | 125.00 |
| product c | 120 | february | 200.00 | 180.00 |
| product b | 120 | february | 180.00 | 200.00 |
+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [test]> select product,quantity,month,count(*) as recordcount from saledata where estimatedsaleprice<purchasecost group by product,quantity,month;
+-----+-----+-----+-----+
| product | quantity | month | recordcount |
+-----+-----+-----+-----+
| product b | 120 | february | 1 |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [test]> _

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5)

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MariaDB [test]> create table titanic_ds( first name varchar(10),last name varchar(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 'varchar(10)
c name varchar(10))' at line 1
MariaDB [test]> create table titanic_ds( firstname varchar(10),lastname varchar(10));
Query OK, 0 rows affected (0.013 sec)

MariaDB [test]> insert into titanic_ds('umar','mohamadd');
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 'umar','moh
d')' at line 1
MariaDB [test]> insert into titanic_ds values('umar','mohamadd');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> insert into titanic_ds values('praveen','adepe');
Query OK, 1 row affected (0.004 sec)

MariaDB [test]> insert into titanic_ds values('abhi','yelamki');
Query OK, 1 row affected (0.005 sec)

MariaDB [test]> insert into titanic_ds values('anil','dammalapati');
Query OK, 1 row affected, 1 warning (0.004 sec)

MariaDB [test]> insert into titanic_ds values('usha','chinthanippu');
Query OK, 1 row affected, 1 warning (0.004 sec)

MariaDB [test]> desc titanic_dc;
ERROR 1146 (42502): Table 'test.titanic_dc' doesn't exist
MariaDB [test]> desc titanic_ds;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| firstname | varchar(10) | YES | | NULL | |
| lastname | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+
2 rows in set (0.010 sec)

MariaDB [test]> select*from titanic_ds;
+-----+-----+
| firstname | lastname |
+-----+-----+
| umar | mohamadd |
| praveen | adepe |
| abhi | yelamki |
| anil | dammalapat |
| usha | chinthanip |
+-----+-----+
5 rows in set (0.000 sec)

MariaDB [test]> desc titanic_dc;
ERROR 1146 (42502): Table 'test.titanic_dc' doesn't exist
MariaDB [test]> desc titanic_ds;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| firstname | varchar(10) | YES | | NULL | |
| lastname | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+
2 rows in set (0.010 sec)

MariaDB [test]> select*from titanic_ds;
+-----+-----+
| firstname | lastname |
+-----+-----+
| umar | mohamadd |
| praveen | adepe |
| abhi | yelamki |
| anil | dammalapat |
| usha | chinthanip |
+-----+-----+
5 rows in set (0.000 sec)

MariaDB [test]> select firstname,lastname from titanic_ds where firstname like '%u%';
+-----+-----+
| firstname | lastname |
+-----+-----+
| umar | mohamadd |
| usha | chinthanip |
+-----+-----+
2 rows in set (0.000 sec)

MariaDB [test]> _

```