

Microsoft Windows [Version 10.0.19045.3570]

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C:\Program Files\MySQL\MySQL Server 5.5\bin>mysql -h localhost -u root -p

Enter password: ****

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

Your MySQL connection id is 1

Server version: 5.5.62 MySQL Community Server (GPL)

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

```
mysql> create table products( ProductID INT PRIMARY KEY, ProductName VARCHAR(100), Category  
VARCHAR(50), Price DECIMAL(10, 2), Quantity INT, SupplierID INT);
```

ERROR 1046 (3D000): No database selected

```
mysql> create database pr3;
```

Query OK, 1 row affected (0.00 sec)

```
mysql> use pr3;
```

Database changed

```
mysql> create table products( ProductID INT PRIMARY KEY, ProductName VARCHAR(100), Category  
VARCHAR(50), Price DECIMAL(10, 2), Quantity INT, SupplierID INT);
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> insert into products(101,'hplaptop','electronics',5000,40,2);
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '101,'hplaptop','electronics',5000,40,2)' at line 1

```
mysql> insert into products(101,'hplaptop','electronics',500.0,40,2);
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '101,'hplaptop','electronics',500.0,40,2)' at line 1

```
mysql> insert into products values(101,'hplaptop','electronics',500.0,40,2);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into products values(102,'asusplaptop','electronics',5001.0,50,32);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into products values(112,'chair','furniture',50.0,20,312);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into products values(12,'tv''electronics','tv',5044.0,9,3512);
```

Query OK, 1 row affected (0.07 sec)

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```
C:\Program Files\MySQL\MySQL Server 5.5\bin>mysql -h localhost -u root -p
```

Enter password: ****

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

Your MySQL connection id is 4

Server version: 5.5.62 MySQL Community Server (GPL)

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

```
mysql> use pr3;
```

Database changed

```
mysql> select * from products;
```

ProductID	ProductName	Category	Price	Quantity	SupplierID
12	tv'electronics	tv	5044.00	9	3512
101	hplaptop	electronics	732.05	40	2
102	asusplaptop	electronics	7321.96	50	32
112	chair	furniture	50.00	20	312

4 rows in set (0.00 sec)

```
mysql> update products set Price=Price+Price*0.1 where Category = 'electronics';
```

Query OK, 2 rows affected, 2 warnings (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 2

```
mysql> select * from products;
```

ProductID	ProductName	Category	Price	Quantity	SupplierID
12	tv'electronics	tv	5044.00	9	3512
101	hplaptop	electronics	805.26	40	2
102	asusplaptop	electronics	8054.16	50	32

112	chair	furniture	50.00	20	312
-----	-------	-----------	-------	----	-----

4 rows in set (0.00 sec)

```
mysql> update products set Quantity=50 where Quantity<10 and Category='electronics';
```

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

```
mysql> select * from products;
```

ProductID	ProductName	Category	Price	Quantity	SupplierID
12	tv'electronics	tv	5044.00	9	3512
101	hplaptop	electronics	805.26	40	2
102	asuslaptop	electronics	8054.16	50	32
112	chair	furniture	50.00	20	312

4 rows in set (0.00 sec)

```
mysql> update products set Price=Price-Price*0.2 where ProductName like '%laptop%';
```

Query OK, 2 rows affected, 2 warnings (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 2

```
mysql> select * from products;
```

ProductID	ProductName	Category	Price	Quantity	SupplierID
12	tv'electronics	tv	5044.00	9	3512
101	hplaptop	electronics	644.21	40	2

	102	asusplaptop	electronics	6443.33	50	32	
	112	chair	furniture	50.00	20	312	

```
+-----+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> update products set SupplierID=5 where Category='furniture';
```

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from products;
```

ProductID	ProductName	Category	Price	Quantity	SupplierID	
-----------	-------------	----------	-------	----------	------------	--

```
+-----+-----+-----+-----+-----+-----+
```

	12	tv	electronics	5044.00	9	3512	
	101	hplaptop	electronics	644.21	40	2	
	102	asusplaptop	electronics	6443.33	50	32	
	112	chair	furniture	50.00	20	5	

```
+-----+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> update products set Price=Price-50 where Price between(40,1000);
```

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

```
mysql> update products set Price=Price-50 where Price between(40 and 1000);
```

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

```
mysql> update products set Price=Price-50 where Price between 40 and 1000;
```

Query OK, 2 rows affected (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 0

```
mysql> select * from products;
```

```
+-----+-----+-----+-----+-----+
| ProductID | ProductName | Category | Price | Quantity | SupplierID |
+-----+-----+-----+-----+-----+
| 12 | tv'electronics | tv | 5044.00 | 9 | 3512 |
| 101 | hplaptop | electronics | 594.21 | 40 | 2 |
| 102 | asuslaptop | electronics | 6443.33 | 50 | 32 |
| 112 | chair | furniture | 0.00 | 20 | 5 |
+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> create table sale(ProductId int,qty int);
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> insert into sale values(101,5);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into sale values(102,10);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> select ProductId , qty from products.left join sale on products.ProductId=sale.ProductId;
```

ERROR 1146 (42S02): Table 'products.left' doesn't exist

```
mysql> select ProductId , qty from products left join sale on products.ProductId=sale.ProductId;
```

ERROR 1052 (23000): Column 'ProductId' in field list is ambiguous

```
mysql> select products.ProductId , qty from products left join sale on
products.ProductId=sale.ProductId;
```

```
+-----+-----+
| ProductId | qty |
+-----+-----+
```

	12		NULL	
	101		5	
	102		10	
	112		NULL	

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

4 rows in set (0.00 sec)

mysql> select products.ProductId , qty from products right join sale on products.ProductId=sale.ProductId;

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

	ProductId		qty	
--	-----------	--	-----	--

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

	101		5	
--	-----	--	---	--

	102		10	
--	-----	--	----	--

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

2 rows in set (0.00 sec)

mysql> insert into sale values(112,5);

Query OK, 1 row affected (0.00 sec)

mysql> select products.ProductId , qty from products right join sale on products.ProductId=sale.ProductId;

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

	ProductId		qty	
--	-----------	--	-----	--

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

	101		5	
--	-----	--	---	--

	102		10	
--	-----	--	----	--

	112		5	
--	-----	--	---	--

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

3 rows in set (0.00 sec)

```
mysql> insert into sale values(12,10);
```

Query OK, 1 row affected (0.00 sec)

```
mysql> select products.ProductId , qty from products right join sale on  
products.ProductId=sale.ProductId;
```

```
+-----+-----+  
| ProductId | qty |  
+-----+-----+  
|    101 |   5 |  
|    102 |  10 |  
|    112 |   5 |  
|     12 |  10 |  
+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> select products.ProductId , qty from products inner join sale on  
products.ProductId=sale.ProductId;
```

```
+-----+-----+  
| ProductId | qty |  
+-----+-----+  
|    101 |   5 |  
|    102 |  10 |  
|    112 |   5 |  
|     12 |  10 |  
+-----+-----+
```

4 rows in set (0.00 sec)


```
mysql> select sale.ProductId , qty from products inner join sale on products.ProductId=sale.ProductId;
```

```
+-----+-----+
```

```
| ProductId | qty |
```

```
+-----+-----+
```

```
|    101 |   5 |
```

```
|    102 |  10 |
```

```
|    112 |   5 |
```

```
|     12 |  10 |
```

```
+-----+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql>
```