

Enter password: ****

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

Your MySQL connection id is 9

Server version: 8.0.13 MySQL Community Server - GPL

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

```
mysql> show databases;
```

```
+-----+
| Database      |
+-----+
| abc           |
| adactin       |
| information_schema |
| mysql         |
| performance_schema |
| sys          |
| testing       |
| world        |
+-----+
```

8 rows in set (0.79 sec)

```
mysql> create database Ojas;
```

Query OK, 1 row affected (0.75 sec)

mysql> show databases;

```
+-----+
| Database      |
+-----+
| abc           |
| adactin       |
| information_schema |
| mysql         |
| ojas          |
| performance_schema |
| sys           |
| testing       |
| world         |
+-----+
```

9 rows in set (0.00 sec)

mysql> use ojas;

Database changed

mysql> create table emp(id int(10),Name varchar(20),salary float(10,2));

Query OK, 0 rows affected (1.07 sec)

mysql> desc emp;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int(10)   | YES  |     | NULL    |       |
| Name  | varchar(20) | YES  |     | NULL    |       |
```

salary	float(10,2)	YES		NULL		
--------	-------------	-----	--	------	--	--

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

3 rows in set (0.15 sec)

mysql> alter table emp(city varchar(20));

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 '(city varchar(20))' at line 1

mysql> alter table emp ADD City varchar(20);

Query OK, 0 rows affected (0.54 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

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

Field	Type	Null	Key	Default	Extra	
-------	------	------	-----	---------	-------	--

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

id	int(10)	YES		NULL		
----	---------	-----	--	------	--	--

Name	varchar(20)	YES		NULL		
------	-------------	-----	--	------	--	--

salary	float(10,2)	YES		NULL		
--------	-------------	-----	--	------	--	--

City	varchar(20)	YES		NULL		
------	-------------	-----	--	------	--	--

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

4 rows in set (0.00 sec)

mysql> ALTER TABLE EMP MODIFY COLUMN ID INT(20);

Query OK, 0 rows affected (0.36 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

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

Field	Type	Null	Key	Default	Extra	
-------	------	------	-----	---------	-------	--

ID	int(20)	YES		NULL	
Name	varchar(20)	YES		NULL	
salary	float(10,2)	YES		NULL	
City	varchar(20)	YES		NULL	

4 rows in set (0.00 sec)

mysql> ALTER TABLE EMP DROP CITY;

Query OK, 0 rows affected (1.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

Field	Type	Null	Key	Default	Extra
ID	int(20)	YES		NULL	
Name	varchar(20)	YES		NULL	
salary	float(10,2)	YES		NULL	

3 rows in set (0.00 sec)

mysql> ALTER TABLE EMP CHANGE SALARY SAL FLOAT(20,2);

Query OK, 0 rows affected (0.18 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

Field	Type	Null	Key	Default	Extra

ID	int(20)	YES		NULL		
Name	varchar(20)	YES		NULL		
SAL	float(20,2)	YES		NULL		

3 rows in set (0.00 sec)

mysql> DROP TABLE EMP;

Query OK, 0 rows affected (0.50 sec)

mysql> DESC EMP;

ERROR 1146 (42S02): Table 'oas.emp' doesn't exist

mysql> create table emp(id int(10),Name varchar(20),salary float(10,2));

Query OK, 0 rows affected (1.55 sec)

mysql> desc emp;

Field	Type	Null	Key	Default	Extra	
id	int(10)	YES		NULL		
Name	varchar(20)	YES		NULL		
salary	float(10,2)	YES		NULL		

3 rows in set (0.00 sec)

mysql> insert into emp values(21425,'Sravani',50000);

Query OK, 1 row affected (0.30 sec)

```
mysql> insert into emp
values(21440,'Kira',60000),(21393,"Anusha",70000),(21323,"Ali",80000),(21257,"Subham",100000);
```

Query OK, 4 rows affected (0.53 sec)

Records: 4 Duplicates: 0 Warnings: 0

```
mysql> select * from emp;
```

```
+-----+-----+-----+
| id   | Name   | salary |
+-----+-----+-----+
| 21425 | Sravani | 50000.00 |
| 21440 | Kira   | 60000.00 |
| 21393 | Anusha | 70000.00 |
| 21323 | Ali    | 80000.00 |
| 21257 | Subham | 100000.00 |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select name from emp;
```

```
+-----+
| name |
+-----+
| Sravani |
| Kira   |
| Anusha |
| Ali    |
| Subham |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select name, salary from emp;
```

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

```
| name  | salary |
```

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

```
| Sravani | 50000.00 |
```

```
| Kira   | 60000.00 |
```

```
| Anusha | 70000.00 |
```

```
| Ali    | 80000.00 |
```

```
| Subham | 100000.00 |
```

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

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

```
mysql> select id, name from emp;
```

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

```
| id   | name  |
```

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

```
| 21425 | Sravani |
```

```
| 21440 | Kira   |
```

```
| 21393 | Anusha |
```

```
| 21323 | Ali    |
```

```
| 21257 | Subham |
```

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

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

```
mysql> update emp salary=salary+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 '=salary+1000' at line 1
```

```
mysql> update emp set salary=salary+1000;
```

```
Query OK, 5 rows affected (2.01 sec)
```

Rows matched: 5 Changed: 5 Warnings: 0

```
mysql> select * from emp;
```

id	Name	salary
21425	Sravani	51000.00
21440	Kira	61000.00
21393	Anusha	71000.00
21323	Ali	81000.00
21257	Subham	101000.00

5 rows in set (0.00 sec)

```
mysql> select * from emp where name="kira";
```

id	Name	salary
21440	Kira	61000.00

1 row in set (0.01 sec)

```
mysql> select * from emp where id=21323;
```

id	Name	salary
21323	Ali	81000.00

1 row in set (0.00 sec)


```
mysql> select * from emp;
```

```
+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21425 | Sravani | 51000.00 |
| 21440 | Kira   | 61000.00 |
| 21393 | Anusha | 71000.00 |
| 21323 | Ali    | 81000.00 |
| 21257 | Subham | 101000.00 |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select * from emp where salary>75000;
```

```
+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21323 | Ali    | 81000.00 |
| 21257 | Subham | 101000.00 |
+-----+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select * from emp where salary<75000;
```

```
+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21425 | Sravani | 51000.00 |
| 21440 | Kira   | 61000.00 |
| 21393 | Anusha | 71000.00 |
+-----+-----+-----+
```

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

3 rows in set (0.00 sec)

```
mysql> select * from emp where name="sravani" or name="Anusha";
```

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

```
| id   | Name   | salary |
```

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

```
| 21425 | Sravani | 51000.00 |
```

```
| 21393 | Anusha  | 71000.00 |
```

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

2 rows in set (0.00 sec)

```
mysql> select * from emp;
```

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

```
| id   | Name   | salary |
```

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

```
| 21425 | Sravani | 51000.00 |
```

```
| 21440 | Kira   | 61000.00 |
```

```
| 21393 | Anusha | 71000.00 |
```

```
| 21323 | Ali    | 81000.00 |
```

```
| 21257 | Subham | 101000.00 |
```

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

5 rows in set (0.00 sec)

```
mysql> update emp set salary=60000 where id=21425;
```

Query OK, 1 row affected (0.33 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from emp;
```

```

+-----+-----+-----+
| id  | Name  | salary |
+-----+-----+-----+
| 21425 | Sravani | 60000.00 |
| 21440 | Kira   | 61000.00 |
| 21393 | Anusha | 71000.00 |
| 21323 | Ali    | 81000.00 |
| 21257 | Subham | 101000.00 |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

```

mysql> delete from emp where name=
      -> 'kira';
Query OK, 1 row affected (0.11 sec)

```

```

mysql> select * from emp;
+-----+-----+-----+
| id  | Name  | salary |
+-----+-----+-----+
| 21425 | Sravani | 60000.00 |
| 21393 | Anusha | 71000.00 |
| 21323 | Ali    | 81000.00 |
| 21257 | Subham | 101000.00 |
+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> truncate table emp;
Query OK, 0 rows affected (0.74 sec)

```

```
mysql> select * from emp;
```

Empty set (0.00 sec)

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
id	int(10)	YES		NULL	
Name	varchar(20)	YES		NULL	
salary	float(10,2)	YES		NULL	

3 rows in set (0.03 sec)

```
mysql> insert into emp
```

```
values(21440,'Kira',60000),(21393,'Anusha',70000),(21323,'Ali',80000),(21257,'Subham',100000);
```

Query OK, 4 rows affected (0.40 sec)

Records: 4 Duplicates: 0 Warnings: 0

```
mysql> insert into emp values(21425,'Sravani',50000);
```

Query OK, 1 row affected (0.18 sec)

```
mysql> select * from emp;
```

id	Name	salary
21440	Kira	60000.00
21393	Anusha	70000.00
21323	Ali	80000.00
21257	Subham	100000.00

```
| 21425 | Sravani | 50000.00 |
```

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

5 rows in set (0.00 sec)

```
mysql> select salary*10/100 as PF from emp;
```

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

```
| PF      |
```

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

```
| 6000.000000 |
```

```
| 7000.000000 |
```

```
| 8000.000000 |
```

```
| 10000.000000 |
```

```
| 5000.000000 |
```

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

5 rows in set (0.00 sec)

```
mysql> select name, salary,salary*10/100 as PF from emp;
```

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

```
| name   | salary | PF      |
```

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

```
| Kira   | 60000.00 | 6000.000000 |
```

```
| Anusha | 70000.00 | 7000.000000 |
```

```
| Ali    | 80000.00 | 8000.000000 |
```

```
| Subham | 100000.00 | 10000.000000 |
```

```
| Sravani | 50000.00 | 5000.000000 |
```

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

5 rows in set (0.00 sec)

```
mysql> select * from emp;
```

```

+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21440 | Kira  | 60000.00 |
| 21393 | Anusha | 70000.00 |
| 21323 | Ali   | 80000.00 |
| 21257 | Subham | 100000.00 |
| 21425 | Sravani | 50000.00 |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

```
mysql> select min(salary) from emp;
```

```

+-----+
| min(salary) |
+-----+
| 50000.00 |
+-----+
1 row in set (0.11 sec)

```

```
mysql> select max(salary) from emp;
```

```

+-----+
| max(salary) |
+-----+
| 100000.00 |
+-----+
1 row in set (0.00 sec)

```

```
mysql> select avg(salary) from emp;
```

```

+-----+

```

```
| avg(salary) |
+-----+
| 72000.000000 |
```

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

1 row in set (0.01 sec)

```
mysql> select * from emp;
```

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

```
| id   | Name  | salary |
```

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

```
| 21440 | Kira   | 60000.00 |
```

```
| 21393 | Anusha | 70000.00 |
```

```
| 21323 | Ali    | 80000.00 |
```

```
| 21257 | Subham | 100000.00 |
```

```
| 21425 | Sravani | 50000.00 |
```

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

5 rows in set (0.00 sec)

```
mysql> select * from emp where name like'a%';
```

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

```
| id   | Name  | salary |
```

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

```
| 21393 | Anusha | 70000.00 |
```

```
| 21323 | Ali    | 80000.00 |
```

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

2 rows in set (0.02 sec)

```
mysql> select * from emp where name like'%m';
```

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

id	Name	salary
21257	Subham	100000.00

1 row in set (0.00 sec)

```
mysql> select * from emp where name like '%sh%';
```

id	Name	salary
21393	Anusha	70000.00

1 row in set (0.00 sec)

```
mysql> select * from emp orderby salary;
```

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 'salary' at line 1

```
mysql> select * from emp order by salary;
```

id	Name	salary
21425	Sravani	50000.00
21440	Kira	60000.00
21393	Anusha	70000.00
21323	Ali	80000.00
21257	Subham	100000.00

5 rows in set (0.00 sec)


```
mysql> select * from emp order by salary asc;
```

```
+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21425 | Sravani | 50000.00 |
| 21440 | Kira   | 60000.00 |
| 21393 | Anusha | 70000.00 |
| 21323 | Ali    | 80000.00 |
| 21257 | Subham | 100000.00 |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select * from emp order by salary desc;
```

```
+-----+-----+-----+
| id   | Name  | salary |
+-----+-----+-----+
| 21257 | Subham | 100000.00 |
| 21323 | Ali    | 80000.00 |
| 21393 | Anusha | 70000.00 |
| 21440 | Kira   | 60000.00 |
| 21425 | Sravani | 50000.00 |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> alter table emp add deptname varchar(20);
```

Query OK, 0 rows affected (0.62 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
id	int(10)	YES		NULL	
Name	varchar(20)	YES		NULL	
salary	float(10,2)	YES		NULL	
deptname	varchar(20)	YES		NULL	

4 rows in set (0.11 sec)

```
mysql> update emp set testing varchar(20) where id=21257;
```

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 'varchar(20) where id=21257' at line 1

```
mysql> update emp set deptname=testing varchar(20) where id=21257;
```

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 'varchar(20) where id=21257' at line 1

```
mysql> update emp set deptname="testing" where id=21257;
```

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> update emp set deptname="testing" where id=21393;
```

Query OK, 1 row affected (0.11 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> update emp set deptname="dev" where id=21323;
```

Query OK, 1 row affected (0.10 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> update emp set deptname="dev" where id=21425;
```

Query OK, 1 row affected (0.25 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set deptname="Hr" where id=21440;

Query OK, 1 row affected (0.25 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

id	Name	salary	deptname
21440	Kira	60000.00	Hr
21393	Anusha	70000.00	testing
21323	Ali	80000.00	dev
21257	Subham	100000.00	testing
21425	Sravani	50000.00	dev

5 rows in set (0.00 sec)

mysql> select max(salary) from emp group by deptname;

max(salary)
60000.00
100000.00
80000.00

3 rows in set (0.11 sec)

```
mysql> select name, max(salary) from emp group by deptname;
```

```
+-----+-----+
| name | max(salary) |
```

```
+-----+-----+
| Kira | 60000.00 |
| Anusha | 100000.00 |
| Ali | 80000.00 |
```

```
+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select salary*10/100 as PF group by deptname having avg(salary>10000);
```

```
ERROR 1054 (42S22): Unknown column 'salary' in 'field list'
```

```
mysql> select salary*10/100 as PF from emp group by deptname having avg(salary>10000);
```

```
+-----+
| PF |
+-----+
| 6000.000000 |
| 7000.000000 |
| 8000.000000 |
```

```
+-----+
3 rows in set (0.01 sec)
```

```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+
| id | Name | salary | deptname |
+-----+-----+-----+-----+
| 21440 | Kira | 60000.00 | Hr |
| 21393 | Anusha | 70000.00 | testing |
| 21323 | Ali | 80000.00 | dev |
```

21257 Subham 100000.00 testing

21425 Sravani 50000.00 dev

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

5 rows in set (0.00 sec)

```
mysql> select count * from emp;
```

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 'from emp' at line 1

```
mysql> select count(*) from emp;
```

+-----+

count(*)

+-----+

5

+-----+

1 row in set (0.00 sec)

```
mysql> select distinct(salary) form emp;
```

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 'emp' at line 1

```
mysql> select distinct(*) form emp;
```

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 '*) form emp' at line 1

```
mysql> select distinct(salary) from emp;
```

+-----+

salary

+-----+

60000.00

70000.00

80000.00

100000.00

| 50000.00 |

+-----+

5 rows in set (0.00 sec)

mysql> Enter password: ****

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

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 'Enter password: ****'

Welcome to the MySQL monitor. Commands end with ' at line 1

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 'or' at line 1

-> Your MySQL connection id is 9

-> Server version: 8.0.13 MySQL Community Server - GPL

->

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-> owners.

->

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

->

-> mysql> show databases;

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 '.

Your MySQL connection id is 9

Server version: 8.0.13 MySQL Community Server - ' at line 1

mysql> +-----+

-> | Database |

-> +-----+

```

-> | abc          |
-> | adactin       |
-> | information_schema |
-> | mysql         |
-> | performance_schema |
-> | sys           |
-> | testing       |
-> | world         |

```

```

-> +-----+

```

```

-> 8 rows in set (0.79 sec)

```

```

->

```

```

-> mysql> create database Ojas;

```

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 '+-----+'

```

| Database      |

```

```

+-----+

```

```

| abc  ' at line 1

```

```

mysql> Query OK, 1 row affected (0.75 sec)

```

```

->

```

```

-> mysql> show databases;

```

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 'Query OK, 1 row affected (0.75 sec)'

```

mysql> show databases' at line 1

```

```

mysql> +-----+

```

```

-> | Database      |

```

```

-> +-----+

```

```

-> | abc          |

```

```

-> | adactin       |

```

```

-> | information_schema |
-> | mysql      |
-> | ojas      |
-> | performance_schema |
-> | sys      |
-> | testing    |
-> | world      |
-> +-----+
-> 9 rows in set (0.00 sec)

->

-> mysql> use ojas;

```

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 '+-----+'

```

| Database      |
+-----+
| abc      ' at line 1

```

mysql> Database changed

```

-> mysql> create table emp(id int(10),Name varchar(20),salary float(10,2));

```

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 'Database changed'

```

mysql> create table emp(id int(10),Name varchar(20),salary floa' at line 1

```

mysql> Query OK, 0 rows affected (1.07 sec)

```

->

-> mysql> desc emp;

```

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 'Query OK, 0 rows affected (1.07 sec)'

```

mysql> desc emp' at line 1

```

```

mysql> +-----+-----+-----+-----+-----+-----+
-> | Field | Type      | Null | Key | Default | Extra |

```



```

-> +-----+-----+-----+-----+
-> | id   | int(10) | YES | | NULL | | |
-> | Name | varchar(20) | YES | | NULL | | |
-> | salary | float(10,2) | YES | | NULL | | |
-> +-----+-----+-----+-----+
-> 3 rows in set (0.15 sec)
->

```

```

-> mysql> alter table emp(city varchar(20));

```

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

```

| Field | Type | ' at line 1

```

```

mysql> 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 '(city varchar(20))' at line 1

```

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 'ERROR 1064 (42000): You have an error in your SQL syntax' at line 1

```

-> mysql> alter table emp ADD City varchar(20);

```

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 'the manual that corresponds to your MySQL server version for the right syntax to' at line 1

```

mysql> Query OK, 0 rows affected (0.54 sec)

```

```

-> Records: 0 Duplicates: 0 Warnings: 0

```

```

->

```

```

-> mysql> desc emp;

```

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 'Query OK, 0 rows affected (0.54 sec)

```

Records: 0 Duplicates: 0 Warnings: 0

```

```

mys' at line 1

```

```

mysql> +-----+-----+-----+-----+
-> | Field | Type | Null | Key | Default | Extra |

```

```

-> +-----+-----+-----+-----+
-> | id   | int(10) | YES | | NULL | | |
-> | Name | varchar(20) | YES | | NULL | | |
-> | salary | float(10,2) | YES | | NULL | | |
-> | City | varchar(20) | YES | | NULL | | |
-> +-----+-----+-----+-----+

```

-> 4 rows in set (0.00 sec)

->

-> mysql> ALTER TABLE EMP MODIFY COLUMN ID INT(20);

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 '+-----+-----+-----+-----+-----+-----+-----+

| Field | Type |' at line 1

mysql> Query OK, 0 rows affected (0.36 sec)

-> Records: 0 Duplicates: 0 Warnings: 0

->

-> mysql> desc emp;

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 'Query OK, 0 rows affected (0.36 sec)

Records: 0 Duplicates: 0 Warnings: 0

mys' at line 1

```

mysql> +-----+-----+-----+-----+
-> | Field | Type | Null | Key | Default | Extra |
-> +-----+-----+-----+-----+
-> | ID   | int(20) | YES | | NULL | | |
-> | Name | varchar(20) | YES | | NULL | | |
-> | salary | float(10,2) | YES | | NULL | | |
-> | City | varchar(20) | YES | | NULL | | |
-> +-----+-----+-----+-----+

```

-> 4 rows in set (0.00 sec)

->

-> mysql> ALTER TABLE EMP DROP CITY;

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 '+-----+-----+-----+-----+-----+-----+

| Field | Type |' at line 1

mysql> Query OK, 0 rows affected (1.10 sec)

-> Records: 0 Duplicates: 0 Warnings: 0

->

-> mysql> desc emp;

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 'Query OK, 0 rows affected (1.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

mys' at line 1

mysql> +-----+-----+-----+-----+-----+-----+

-> | Field | Type | Null | Key | Default | Extra |

-> +-----+-----+-----+-----+-----+-----+

-> | ID | int(20) | YES | | NULL | |

-> | Name | varchar(20) | YES | | NULL | |

-> | salary | float(10,2) | YES | | NULL | |

-> +-----+-----+-----+-----+-----+-----+

-> 3 rows in set (0.00 sec)

->

-> mysql> ALTER TABLE EMP CHANGE SALARY SAL FLOAT(20,2);

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 '+-----+-----+-----+-----+-----+-----+

| Field | Type |' at line 1

mysql> Query OK, 0 rows affected (0.18 sec)

-> Records: 0 Duplicates: 0 Warnings: 0

->

-> mysql> desc emp;

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 'Query OK, 0 rows affected (0.18 sec)

Records: 0 Duplicates: 0 Warnings: 0

mys' at line 1

mysql> +-----+-----+-----+-----+-----+-----+

-> | Field | Type | Null | Key | Default | Extra |

-> +-----+-----+-----+-----+-----+-----+

-> | ID | int(20) | YES | | NULL | |

-> | Name | varchar(20) | YES | | NULL | |

-> | SAL | float(20,2) | YES | | NULL | |

-> +-----+-----+-----+-----+-----+-----+

-> 3 rows in set (0.00 sec)

->

-> mysql> DROP TABLE EMP;

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 '+-----+-----+-----+-----+-----+-----+

| Field | Type | N' at line 1

mysql> Query OK, 0 rows affected (0.50 sec)

->

-> mysql> DESC EMP;

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 'Query OK, 0 rows affected (0.50 sec)

mysql> DESC EMP' at line 1

mysql> ERROR 1146 (42S02): Table 'ojas.emp' doesn't exist

'> mysql> create table emp(id int(10),Name varchar(20),salary float(10,2));

'> Query OK, 0 rows affected (1.55 sec)

```
'>
mysql> desc emp;

'+-----+-----+-----+-----+
'| Field | Type      | Null | Key | Default | Extra |
'+-----+-----+-----+-----+
'| id    | int(10)   | YES  |     | NULL    |       |
'| Name  | varchar(20) | YES  |     | NULL    |       |
'| salary | float(10,2) | YES  |     | NULL    |       |
'+-----+-----+-----+-----+

'> 3 rows in set (0.00 sec)

'>

mysql> insert into emp values(21425,'Sravani',50000);

'> Query OK, 1 row affected (0.30 sec)

'>

mysql> insert into emp
values(21440,'Kira',60000),(21393,'Anusha',70000),(21323,'Ali',80000),(21257,'Subham',100000);

'> Query OK, 4 rows affected (0.53 sec)

'> Records: 4 Duplicates: 0 Warnings: 0

'>

mysql> select * from emp;

'+-----+-----+-----+
'| id  | Name  | salary |
'+-----+-----+-----+
'| 21425 | Sravani | 50000.00 |
'| 21440 | Kira   | 60000.00 |
'| 21393 | Anusha | 70000.00 |
'| 21323 | Ali    | 80000.00 |
'| 21257 | Subham | 100000.00 |
'+-----+-----+-----+
```

'> 5 rows in set (0.00 sec)

'>

'> mysql> select name from emp;

'> +-----+

'> | name |

'> +-----+

'> | Sravani |

'> | Kira |

'> | Anusha |

'> | Ali |

'> | Subham |

'> +-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select name, salary from emp;

'> +-----+-----+

'> | name | salary |

'> +-----+-----+

'> | Sravani | 50000.00 |

'> | Kira | 60000.00 |

'> | Anusha | 70000.00 |

'> | Ali | 80000.00 |

'> | Subham | 100000.00 |

'> +-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select id, name from emp;

'> +-----+-----+

'> | id | name |

```
'> +-----+-----+
```

```
'> | 21425 | Sravani |
```

```
'> | 21440 | Kira   |
```

```
'> | 21393 | Anusha |
```

```
'> | 21323 | Ali    |
```

```
'> | 21257 | Subham |
```

```
'> +-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> update emp salary=salary+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 '=salary+1000' at line 1
```

```
'> mysql> update emp set salary=salary+1000;
```

```
'> Query OK, 5 rows affected (2.01 sec)
```

```
'> Rows matched: 5  Changed: 5  Warnings: 0
```

```
'>
```

```
'> mysql> select * from emp;
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name   | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21425 | Sravani | 51000.00 |
```

```
'> | 21440 | Kira   | 61000.00 |
```

```
'> | 21393 | Anusha | 71000.00 |
```

```
'> | 21323 | Ali    | 81000.00 |
```

```
'> | 21257 | Subham | 101000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where name="kira";
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21440 | Kira | 61000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 1 row in set (0.01 sec)
```

```
'>
```

```
'> mysql> select * from emp where id=21323;
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21323 | Ali  | 81000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 1 row in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp;
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name   | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21425 | Sravani | 51000.00 |
```

```
'> | 21440 | Kira   | 61000.00 |
```

```
'> | 21393 | Anusha | 71000.00 |
```

```
'> | 21323 | Ali    | 81000.00 |
```

```
'> | 21257 | Subham | 101000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where salary>75000;
```

```
'> +-----+-----+-----+
```



```
'> | id | Name | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21323 | Ali | 81000.00 |
```

```
'> | 21257 | Subham | 101000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 2 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where salary<75000;
```

```
'> +-----+-----+-----+
```

```
'> | id | Name | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21425 | Sravani | 51000.00 |
```

```
'> | 21440 | Kira | 61000.00 |
```

```
'> | 21393 | Anusha | 71000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 3 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where name="sravani" or name="Anusha";
```

```
'> +-----+-----+-----+
```

```
'> | id | Name | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21425 | Sravani | 51000.00 |
```

```
'> | 21393 | Anusha | 71000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 2 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp;
```

```
'> +-----+-----+-----+
```

```
'> | id | Name | salary |
```

```
'> +-----+-----+-----+
'> | 21425 | Sravani | 51000.00 |
'> | 21440 | Kira   | 61000.00 |
'> | 21393 | Anusha | 71000.00 |
'> | 21323 | Ali    | 81000.00 |
'> | 21257 | Subham | 101000.00 |
'> +-----+-----+-----+
'> 5 rows in set (0.00 sec)

'>
'> mysql> update emp set salary=60000 where id=21425;
'> Query OK, 1 row affected (0.33 sec)
'> Rows matched: 1  Changed: 1  Warnings: 0
'>
'> mysql> select * from emp;
'> +-----+-----+-----+
'> | id   | Name   | salary |
'> +-----+-----+-----+
'> | 21425 | Sravani | 60000.00 |
'> | 21440 | Kira   | 61000.00 |
'> | 21393 | Anusha | 71000.00 |
'> | 21323 | Ali    | 81000.00 |
'> | 21257 | Subham | 101000.00 |
'> +-----+-----+-----+
'> 5 rows in set (0.00 sec)

'>
'> mysql> delete from emp where name=
'>   -> 'kira';
'> Query OK, 1 row affected (0.11 sec)
'>
```

```
'> mysql> select * from emp;
```

id	Name	salary
21425	Sravani	60000.00
21393	Anusha	71000.00
21323	Ali	81000.00
21257	Subham	101000.00

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

'>

'> mysql> truncate table emp;

'> Query OK, 0 rows affected (0.74 sec)

'>

'> mysql> select * from emp;

'> Empty set (0.00 sec)

'>

'> mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
id	int(10)	YES		NULL	
Name	varchar(20)	YES		NULL	
salary	float(10,2)	YES		NULL	

```
'> 3 rows in set (0.03 sec)

'>

'> mysql> insert into emp
values(21440,'Kira',60000),(21393,"Anusha",70000),(21323,"Ali",80000),(21257,"Subham",100000);
```

'> Query OK, 4 rows affected (0.40 sec)

'> Records: 4 Duplicates: 0 Warnings: 0

'>

'> mysql> insert into emp values(21425,'Sravani',50000);

'> Query OK, 1 row affected (0.18 sec)

'>

'> mysql> select * from emp;

'> +-----+-----+-----+

'> | id | Name | salary |

'> +-----+-----+-----+

'> | 21440 | Kira | 60000.00 |

'> | 21393 | Anusha | 70000.00 |

'> | 21323 | Ali | 80000.00 |

'> | 21257 | Subham | 100000.00 |

'> | 21425 | Sravani | 50000.00 |

'> +-----+-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select salary*10/100 as PF from emp;

'> +-----+

'> | PF |

'> +-----+

'> | 6000.000000 |

'> | 7000.000000 |

'> | 8000.000000 |

'> | 10000.000000 |

'> | 5000.000000 |

'> +-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select name, salary, salary*10/100 as PF from emp;

'> +-----+-----+-----+

'> | name | salary | PF |

'> +-----+-----+-----+

'> | Kira | 60000.00 | 6000.000000 |

'> | Anusha | 70000.00 | 7000.000000 |

'> | Ali | 80000.00 | 8000.000000 |

'> | Subham | 100000.00 | 10000.000000 |

'> | Sravani | 50000.00 | 5000.000000 |

'> +-----+-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select * from emp;

'> +-----+-----+-----+

'> | id | Name | salary |

'> +-----+-----+-----+

'> | 21440 | Kira | 60000.00 |

'> | 21393 | Anusha | 70000.00 |

'> | 21323 | Ali | 80000.00 |

'> | 21257 | Subham | 100000.00 |

'> | 21425 | Sravani | 50000.00 |

'> +-----+-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select min(salary) from emp;

'> +-----+

'> | min(salary) |

'> +-----+

```
'> | 50000.00 |
'> +-----+
'> 1 row in set (0.11 sec)
'>

'> mysql> select max(salary) from emp;
'> +-----+
'> | max(salary) |
'> +-----+
'> | 100000.00 |
'> +-----+
'> 1 row in set (0.00 sec)
'>

'> mysql> select avg(salary) from emp;
'> +-----+
'> | avg(salary) |
'> +-----+
'> | 72000.000000 |
'> +-----+
'> 1 row in set (0.01 sec)
'>

'> mysql> select * from emp;
'> +-----+-----+-----+
'> | id   | Name   | salary |
'> +-----+-----+-----+
'> | 21440 | Kira   | 60000.00 |
'> | 21393 | Anusha | 70000.00 |
'> | 21323 | Ali    | 80000.00 |
'> | 21257 | Subham | 100000.00 |
'> | 21425 | Sravani | 50000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where name like'a%';
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name  | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21393 | Anusha | 70000.00 |
```

```
'> | 21323 | Ali   | 80000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 2 rows in set (0.02 sec)
```

```
'>
```

```
'> mysql> select * from emp where name like'%m';
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name  | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21257 | Subham | 100000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 1 row in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp where name like'%sh%';
```

```
'> +-----+-----+-----+
```

```
'> | id   | Name  | salary |
```

```
'> +-----+-----+-----+
```

```
'> | 21393 | Anusha | 70000.00 |
```

```
'> +-----+-----+-----+
```

```
'> 1 row in set (0.00 sec)
```

```
'>
```

```
'> mysql> select * from emp orderby salary;
```

'> 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 'salary' at line 1

'> mysql> select * from emp order by salary;

'> +-----+-----+-----+

'> | id | Name | salary |

'> +-----+-----+-----+

'> | 21425 | Sravani | 50000.00 |

'> | 21440 | Kira | 60000.00 |

'> | 21393 | Anusha | 70000.00 |

'> | 21323 | Ali | 80000.00 |

'> | 21257 | Subham | 100000.00 |

'> +-----+-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select * from emp order by salary asc;

'> +-----+-----+-----+

'> | id | Name | salary |

'> +-----+-----+-----+

'> | 21425 | Sravani | 50000.00 |

'> | 21440 | Kira | 60000.00 |

'> | 21393 | Anusha | 70000.00 |

'> | 21323 | Ali | 80000.00 |

'> | 21257 | Subham | 100000.00 |

'> +-----+-----+-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql> select * from emp order by salary desc;

'> +-----+-----+-----+

'> | id | Name | salary |


```
'> +-----+-----+-----+
'> | 21257 | Subham | 100000.00 |
'> | 21323 | Ali   | 80000.00 |
'> | 21393 | Anusha | 70000.00 |
'> | 21440 | Kira   | 60000.00 |
'> | 21425 | Sravani | 50000.00 |
'> +-----+-----+-----+
'> 5 rows in set (0.00 sec)

'>

'> mysql> alter table emp add deptname varchar(20);
'> Query OK, 0 rows affected (0.62 sec)
'> Records: 0 Duplicates: 0 Warnings: 0

'>

'> mysql> desc emp;
'> +-----+-----+-----+-----+-----+
'> | Field | Type | Null | Key | Default | Extra |
'> +-----+-----+-----+-----+-----+
'> | id    | int(10) | YES | | NULL | |
'> | Name  | varchar(20) | YES | | NULL | |
'> | salary | float(10,2) | YES | | NULL | |
'> | deptname | varchar(20) | YES | | NULL | |
'> +-----+-----+-----+-----+-----+
'> 4 rows in set (0.11 sec)

'>

'> mysql> update emp set testing varchar(20) where id=21257;

'> 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 'varchar(20) where id=21257' at line 1

'> mysql> update emp set deptname=testing varchar(20) where id=21257;
```

'> 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 'varchar(20) where id=21257' at line 1

'> mysql> update emp set deptname="testing" where id=21257;

'> Query OK, 1 row affected (0.13 sec)

'> Rows matched: 1 Changed: 1 Warnings: 0

'>

'> mysql> update emp set deptname="testing" where id=21393;

'> Query OK, 1 row affected (0.11 sec)

'> Rows matched: 1 Changed: 1 Warnings: 0

'>

'> mysql> update emp set deptname="dev" where id=21323;

'> Query OK, 1 row affected (0.10 sec)

'> Rows matched: 1 Changed: 1 Warnings: 0

'>

'> mysql> update emp set deptname="dev" where id=21425;

'> Query OK, 1 row affected (0.25 sec)

'> Rows matched: 1 Changed: 1 Warnings: 0

'>

'> mysql> update emp set deptname="Hr" where id=21440;

'> Query OK, 1 row affected (0.25 sec)

'> Rows matched: 1 Changed: 1 Warnings: 0

'>

'> mysql> select * from emp;

'> +-----+-----+-----+-----+

'> | id | Name | salary | deptname |

'> +-----+-----+-----+-----+

'> | 21440 | Kira | 60000.00 | Hr |

'> | 21393 | Anusha | 70000.00 | testing |

'> | 21323 | Ali | 80000.00 | dev |

```
'> | 21257 | Subham | 100000.00 | testing |
```

```
'> | 21425 | Sravani | 50000.00 | dev |
```

```
'> +-----+-----+-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select max(salary) from emp group by deptname;
```

```
'> +-----+
```

```
'> | max(salary) |
```

```
'> +-----+
```

```
'> | 60000.00 |
```

```
'> | 100000.00 |
```

```
'> | 80000.00 |
```

```
'> +-----+
```

```
'> 3 rows in set (0.11 sec)
```

```
'>
```

```
'> mysql> select name, max(salary) from emp group by deptname;
```

```
'> +-----+-----+
```

```
'> | name | max(salary) |
```

```
'> +-----+-----+
```

```
'> | Kira | 60000.00 |
```

```
'> | Anusha | 100000.00 |
```

```
'> | Ali | 80000.00 |
```

```
'> +-----+-----+
```

```
'> 3 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select salary*10/100 as PF group by deptname having avg(salary>10000);
```

```
'> ERROR 1054 (42S22): Unknown column 'salary' in 'field list'
```

```
'> mysql> select salary*10/100 as PF from emp group by deptname having avg(salary>10000);
```

```
'> +-----+
```

```
'> | PF      |
```

```
'> +-----+
```

```
'> | 6000.000000 |
```

```
'> | 7000.000000 |
```

```
'> | 8000.000000 |
```

```
'> +-----+
```

```
'> 3 rows in set (0.01 sec)
```

```
'>
```

```
'> mysql> select * from emp;
```

```
'> +-----+-----+-----+-----+
```

```
'> | id   | Name   | salary | deptname |
```

```
'> +-----+-----+-----+-----+
```

```
'> | 21440 | Kira   | 60000.00 | Hr       |
```

```
'> | 21393 | Anusha | 70000.00 | testing  |
```

```
'> | 21323 | Ali    | 80000.00 | dev      |
```

```
'> | 21257 | Subham | 100000.00 | testing  |
```

```
'> | 21425 | Sravani | 50000.00 | dev      |
```

```
'> +-----+-----+-----+-----+
```

```
'> 5 rows in set (0.00 sec)
```

```
'>
```

```
'> mysql> select count * from emp;
```

'> 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 'from emp' at line 1

```
'> mysql> select count(*) from emp;
```

```
'> +-----+
```

```
'> | count(*) |
```

```
'> +-----+
```

```
'> |      5 |
```

```
'> +-----+
```

'> 1 row in set (0.00 sec)

'>

'> mysql> select distinct(salary) form emp;

'> 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 'emp' at line 1

'> mysql> select distinct(*) form emp;

'> 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 '*) form emp' at line 1

'> mysql> select distinct(salary) from emp;

'> +-----+

'> | salary |

'> +-----+

'> | 60000.00 |

'> | 70000.00 |

'> | 80000.00 |

'> | 100000.00 |

'> | 50000.00 |

'> +-----+

'> 5 rows in set (0.00 sec)

'>

'> mysql>mysql>