

Microsoft Windows [Version 10.0.19045.4651]

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C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u root -p

Enter password: \*\*\*\*

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

Your MySQL connection id is 8

Server version: 8.0.34 MySQL Community Server - GPL

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

mysql> create database pr3;

Query OK, 1 row affected (0.01 sec)

mysql> use database;

ERROR 1049 (42000): Unknown database 'database'

mysql> use pr3;

Database changed

mysql> create table author(authorid int primary key,name varchar(20),dob date

-> create table author(authorid int primary key,name varchar(20),dob date);

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 'create table author(authorid int primary key,name varchar(20),dob date)' at line 2

```
mysql> create table author (authorid int primary key,name varchar(20),dob date);
```

Query OK, 0 rows affected (0.15 sec)

```
mysql> create table genre (generid int primary key,name 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

```
mysql> create table genre (generid int primary key,name varchar(20));
```

Query OK, 0 rows affected (0.15 sec)

```
mysql> crete table book (bookid int primary key,title varchar(20),aid int REFERENCES author(authorid),gid  
int REFERENCES genre(generid),price float,publisheddate date);
```

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 'crete table book (bookid int primary key,title varchar(20),aid int REFERENCES aut' at line 1

```
mysql> create table book (bookid int primary key,title varchar(20),aid int REFERENCES  
author(authorid),gid int REFERENCES genre(generid),price float,publisheddate date);
```

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 'REFERENCES author(authorid),gid int REFERENCES genre(generid),price float,publishe' at line 1

```
mysql> create table book (bookid int primary key,title varchar(20),aid int REFERENCES  
author(authorid),gid int REFERENCES genre(generid),price float,publisheddate date);
```

Query OK, 0 rows affected (0.17 sec)

```
mysql> create table customers(customer_id int Primary Key,name varchar(20),email varchar(20),phone  
int);
```

Query OK, 0 rows affected (0.14 sec)

```
mysql> create table Orders(order_id int Primary Key,cid int REFERENCES  
customers(customer_id),order_date date);
```

Query OK, 0 rows affected (0.15 sec)

```
mysql> create table OrderDetails(order_detail_id int Primary Key,oid int REFERENCES  
Orders(order_id),bid int REFERENCES book(bookid),quantity int);
```

Query OK, 0 rows affected (0.15 sec)

```
mysql> show tables;
```

```
+-----+
| Tables_in_pr3 |
+-----+
| author      |
| book        |
| customers   |
| genre       |
| orderdetails|
| orders      |
+-----+
```

6 rows in set (0.05 sec)

```
mysql> insert into author values(100,'a',2024/12/12);
```

ERROR 1292 (22007): Incorrect date value: '14.055555555500000000' for column 'dob' at row 1

```
mysql> insert into author values(100,'a','2024/12/12');
```

Query OK, 1 row affected, 1 warning (0.01 sec)

```
mysql> insert into author values(110,'b','2024/02/12');
```

Query OK, 1 row affected, 1 warning (0.03 sec)

```
mysql> insert into genre values(200,'abc');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into genre values(201,'abcd');
```

Query OK, 1 row affected (0.09 sec)

```
mysql> insert into book values(300,'aaa',100,200,1000,'2000/01/02');
```

```
Query OK, 1 row affected, 1 warning (0.01 sec)
```

```
mysql> insert into book values(301,'bbaa',110,201,1001,'2000/11/02');
```

```
Query OK, 1 row affected, 1 warning (0.06 sec)
```

```
mysql> insert into customers values(400,'omkar','aba@gmail',123456);
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into customers values(401,'mohan','ab@gmail',1234567);
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into Orders values(500,400,'2024/06/30');
```

```
Query OK, 1 row affected, 1 warning (0.01 sec)
```

```
mysql> insert into Orders values(501,401,'2024/06/29');
```

```
Query OK, 1 row affected, 1 warning (0.03 sec)
```

```
mysql> insert into orderdetails values(600,500,300,40);
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into orderdetails values(601,501,301,50);
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select title ,name from book inner join author on book.aid=author.authorid;
```

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

```
| title | name |
```

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

```
| aaa   | a     |
```

```
| bbaa | b |
```

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

2 rows in set (0.00 sec)

```
mysql> select title ,name,price from book inner join author on book.aid=author.authorid;
```

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

```
| title | name | price |
```

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

```
| aaa | a | 1000 |
```

```
| bbaa | b | 1001 |
```

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

2 rows in set (0.00 sec)

```
mysql> select name ,title from author leftjoin book on book.aid=author.authorid;
```

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 'book on book.aid=author.authorid' at line 1

```
mysql> select name ,title from author leftjoin book on author.authorid=book.aid;
```

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 'book on author.authorid=book.aid' at line 1

```
mysql> select name,title from author left join book on book.aid=author.authorid;
```

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

```
| name | title |
```

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

```
| a | aaa |
```

```
| b | bbaa |
```

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

2 rows in set (0.00 sec)

```
mysql> select name,title from book right join genre on book.gid=genre.genreid;
```

ERROR 1054 (42S22): Unknown column 'genre.genreid' in 'on clause'

```
mysql> select name,title from book right join genre on book.gid=genre.generid;
```

```
+-----+-----+  
| name | title |
```

```
+-----+-----+  
| abc  | aaa  |  
| abcd | bbaa |
```

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

```
mysql> select name,title from book cross join genre on book.gid=genre.generid;
```

```
+-----+-----+  
| name | title |
```

```
+-----+-----+  
| abc  | aaa  |  
| abcd | bbaa |
```

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

```
mysql> select title from book where price>1000;
```

```
+-----+  
| title |
```

```
+-----+  
| bbaa  |
```

```
+-----+  
1 row in set (0.00 sec)
```

```
mysql> select title from book where price>500;
```

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

```
| title |
```

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

```
| aaa |
```

```
| bbaa |
```

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

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

```
mysql> select max(price) from book;
```

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

```
| max(price) |
```

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

```
| 1001 |
```

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

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

```
mysql> select * from book where price=(select max(price) from book);
```

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

```
| bookid | title | aid | gid | price | publisheddate |
```

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

```
| 301 | bbaa | 110 | 201 | 1001 | 2000-11-02 |
```

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

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

```
mysql> select * from book where price=(select max(price) from book);
```

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

```
| bookid | title | aid | gid | price | publisheddate |
```

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

```
| 301 | bbaa | 110 | 201 | 1001 | 2000-11-02 |
```

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

1 row in set (0.00 sec)

```
mysql> select title,price from book where price>(select avg(price) from book where
book.gid=genre.genereid);
```

ERROR 1054 (42S22): Unknown column 'genre.genereid' in 'where clause'

```
mysql> select title,price from book where price>(select avg(price) from book where
book.gid=genre.generid);
```

ERROR 1054 (42S22): Unknown column 'genre.generid' in 'where clause'

```
mysql> select title,price from book where price>(select avg(price) from book where
book.gid=genre.generid);
```

ERROR 1054 (42S22): Unknown column 'genre.generid' in 'where clause'

```
mysql> select title,price from book where price>(select avg(price) from book where
book.generid=genre.gid);
```

ERROR 1054 (42S22): Unknown column 'book.generid' in 'where clause'

```
mysql> select title,price from book where price>(select avg(price) from book );
```

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

```
| title | price |
```

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

```
| bbaa  | 1001 |
```

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

1 row in set (0.00 sec)

```
mysql> desc book;
```

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

```
| Field      | Type      | Null | Key | Default | Extra |
```

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

```
| bookid     | int       | NO   | PRI | NULL    |      |
```

```
| title      | varchar(20) | YES  |     | NULL    |      |
```

```
| aid        | int       | YES  |     | NULL    |      |
```

```
| gid        | int       | YES  |     | NULL    |      |
```



price	float	YES		NULL		
publisheddate	date	YES		NULL		
+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+

6 rows in set (0.03 sec)

mysql> desc genre;

+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
Field	Type	Null	Key	Default	Extra	
+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
generid	int	NO	PRI	NULL		
name	varchar(20)	YES		NULL		
+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+

2 rows in set (0.00 sec)

mysql> select avg(price) from book where book.gid=genre.generid;

ERROR 1054 (42S22): Unknown column 'genre.generid' in 'where clause'

mysql> select name,title ,gid from book where book.gid=genre.generid;

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

mysql> select title ,gid from book where book.gid=genre.generid;

ERROR 1054 (42S22): Unknown column 'genre.generid' in 'where clause'

mysql> select title ,gid from book,genre where book.gid=genre.generid;

+-----+	+-----+
title	gid
+-----+	+-----+
aaa	200
bbaa	201
+-----+	+-----+

2 rows in set (0.00 sec)

```
mysql> select avg(price) from book,genre where book.gid=genre.generid;
```

```
+-----+  
| avg(price) |  
+-----+  
|   1000.5 |  
+-----+
```

1 row in set (0.00 sec)

```
mysql> select title,price from book where price>(select avg(price) from book,genre where  
book.gid=genre.generid);
```

```
+-----+-----+  
| title | price |  
+-----+-----+  
| bbaa  | 1001 |  
+-----+-----+
```

1 row in set (0.00 sec)