

Select Command Prompt - mysql -u root -proot

```
C:\Program Files\MySQL\MySQL Server 8.4\bin>mysql -u root -proot
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.4.5 MySQL Community Server - GPL

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owners.

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

mysql> create database company_db;
Query OK, 1 row affected (0.10 sec)

mysql> use company_db;
Database changed
mysql> show tables;
Empty set (0.02 sec)
```

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```
mysql> create table location
-> (locid int primary key,
-> lname varchar(10),
-> address varchar(20)
-> );
Query OK, 0 rows affected (0.28 sec)
```

```
mysql> create table admin
-> (adminid int primary key,
-> uname varchar(10),
-> password varchar(10),
-> mobile int,
-> name varchar(15)
-> );
Query OK, 0 rows affected (0.27 sec)
```

```
mysql> create table Server
```

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-> ^C

mysql> create table Server

-> (sid int,

-> sname varchar(10) not null,

-> configuration varchar(60),

-> locid int,

-> adminid int,

-> foreign key(locid) references location(locid),

-> foreign key(adminid) references admin(adminid)

-> );

Query OK, 0 rows affected (0.46 sec)

mysql> show tables;

Tables_in_company_db
admin
location
server

3 rows in set (0.00 sec)

mysql> desc Server;

Field	Type	Null	Key	Default	Extra
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mysql> desc Server;

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
sname	varchar(10)	NO		NULL	
configuration	varchar(60)	YES		NULL	
locid	int	YES	MUL	NULL	
adminid	int	YES	MUL	NULL	

5 rows in set (0.00 sec)

mysql> desc admin;

Field	Type	Null	Key	Default	Extra
adminid	int	NO	PRI	NULL	
uname	varchar(10)	YES		NULL	
password	varchar(10)	YES		NULL	
mobile	int	YES		NULL	
name	varchar(15)	YES		NULL	

5 rows in set (0.00 sec)



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mysql> desc location;

Field	Type	Null	Key	Default	Extra
locid	int	NO	PRI	NULL	
lname	varchar(10)	YES		NULL	
address	varchar(20)	YES		NULL	

3 rows in set (0.00 sec)

mysql> insert into location values

-> (101, 'lab B', 'Acts Pune'),

-> (102, 'lab C', 'Acts Pune'),

-> (103, 'lab D', 'IACSD Pune');

Query OK, 3 rows affected (0.04 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into location values

-> (104, 'lab E', 'SunBeam Pune');

Query OK, 1 row affected (0.06 sec)

mysql> select \* from location;

locid	lname	address
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```
mysql> select * from location;
```

locid	lname	address
101	lab B	Acts Pune
102	lab C	Acts Pune
103	lab D	IACSD Pune
104	lab E	SunBeam Pune

4 rows in set (0.00 sec)

```
mysql> insert into admin values
```

```
-> (1001, 'user1', 'user1', 11111, 'Ashwini')
```

```
-> (1002, 'user2', 'user2', 2222, 'Rohit')
```

```
-> (1003, 'user3', 'user3', 3333, 'Kedar')
```

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-> ^C
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mysql>
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```
mysql>
mysql>
mysql> insert into admin values
-> (1001, 'user1', 'user1', 11111, 'Ashwini'),
-> (1002, 'user2', 'user2', 2222, 'Rohit'),
-> (1003, 'user3', 'user3', 3333, 'Kedar'),
-> (1004, 'user4', 'user4', 44444, 'Deepak'),
-> (1005, 'user5', 'user5', 55555, 'Sangeeta');
```

Query OK, 5 rows affected (0.07 sec)  
Records: 5 Duplicates: 0 Warnings: 0

```
mysql> select * from admin;
```

adminid	uname	password	mobile	name
1001	user1	user1	11111	Ashwini
1002	user2	user2	2222	Rohit
1003	user3	user3	3333	Kedar
1004	user4	user4	44444	Deepak
1005	user5	user5	55555	Sangeeta

5 rows in set (0.00 sec)

```
mysql> insert into Server values
-> (3, 'omega3', 'I7 processor 32 GB', 101, 1002),
```

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mysql> insert into Server values

```
-> (3, 'omega3', 'I7 processor 32 GB', 101, 1002),  
-> (4, 'omega4', 'I5 processor 16 GB', 101, 1002),  
-> (5, 'test1', 'I4 processor 16 GB', 102, 1002),  
-> (6, 'test2', 'I3 processor 24 GB', 102, 1003),  
-> (7, 'test3', 'I5 processor 8 GB', 101, 1003),  
-> (8, 'Lotus1', 'I5 processor 16 GB', 103, 1003),  
-> (9, 'oracle', 'I5 processor 256 GB', 103, 1002),  
-> (10, 'omega5', 'I5 processor 256 GB', 103, 1001),  
-> (11, 'mysql2', 'I5 processor 256 GB', default, default),  
-> (12, 'mysql3', 'I5 processor 256 GB', default, 1001),  
-> (13, 'mysql4', 'I5 processor 256 GB', default, 1001);
```

Query OK, 11 rows affected (0.07 sec)

Records: 11 Duplicates: 0 Warnings: 0

mysql> select \* from Server;

sid	sname	configuration	locid	adminid
3	omega3	I7 processor 32 GB	101	1002
4	omega4	I5 processor 16 GB	101	1002
5	test1	I4 processor 16 GB	102	1002
6	test2	I3 processor 24 GB	102	1003
7	test3	I5 processor 8 GB	101	1003



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3	omega3	I7 processor	32 GB	101	1002
4	omega4	I5 processor	16 GB	101	1002
5	test1	I4 processor	16 GB	102	1002
6	test2	I3 processor	24 GB	102	1003
7	test3	I5 processor	8 GB	101	1003
8	Lotus1	I5 processor	16 GB	103	1003
9	oracle	I5 processor	256 GB	103	1002
10	omega5	I5 processor	256 GB	103	1001
11	mysql2	I5 processor	256 GB	NULL	NULL
12	mysql3	I5 processor	256 GB	NULL	1001
13	mysql4	I5 processor	256 GB	NULL	1001

11 rows in set (0.00 sec)

mysql>