

```
$ sudo mysql -u root -p
```

```
[sudo] password for a3-403a-11:
```

```
Enter password:
```

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

```
mysql> show databases ;
```

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

```
| Database |
```

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

```
| SE1123377 |
```

```
| information_schema |
```

```
| mysql |
```

```
| performance_schema |
```

```
| sys |
```

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

```
5 rows in set (0.04 sec)
```

```
mysql> create database college;
```

```
Query OK, 1 row affected (0.17 sec)
```

```
mysql> show databases;
```

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

```
| Database |
```

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

```
| SE1123377 |
```

```
| college |
```

```
| information_schema |
```

```
| mysql |
```

```
| performance_schema |
```

```
| sys |
```

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

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

```
mysql> use college;
```

```
Database changed
```

```
mysql> create table sahil (roll_no int);
```

```
Query OK, 0 rows affected (1.06 sec)
```

```
mysql> select * from sahil;
```

```
Empty set (0.01 sec)
```

```
mysql> show tables;
```

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

```
| Tables_in_college |
```

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

```
| sahil |
```

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

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

```
mysql> desc sahil;
```

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

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

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

```
| roll_no | int | YES | | NULL | |
```

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

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

```
mysql> create table sahil(name varchar(20), mob_no int);
```

```
ERROR 1050 (42S01): Table 'sahil' already exists
```

```
mysql> alter table sahil add(name varchar(20), mob_no int);
```

```
Query OK, 0 rows affected (0.50 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc sahil;
```

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

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

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

```
| roll_no | int | YES | | NULL | |
```

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

```
| mob_no | int | YES | | NULL | |
```

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

3 rows in set (0.00 sec)

mysql> insert into sahil values(23315, 'Sahil', 9405);

Query OK, 1 row affected (0.15 sec)

mysql> show tables;

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

```
| Tables_in_college |
```

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

```
| sahil |
```

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

1 row in set (0.00 sec)

mysql> select \* from sahil;

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

```
| roll_no | name | mob_no |
```

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

```
| 23315 | Sahil | 9405 |
```

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

1 row in set (0.00 sec)

mysql> insert into sahil (name, roll\_no, mob\_no) values ('Swap', 23302, 8774);

Query OK, 1 row affected (0.15 sec)

mysql> select \* from sahil;

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

```
| roll_no | name | mob_no |
```

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

```
| 23315 | Sahil | 9405 |
```

```
| 23302 | Swap | 8774 |
```

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

2 rows in set (0.00 sec)

mysql> insert into sahil values (23320, 'Devanshu', 9203);

Query OK, 1 row affected (0.15 sec)

```
mysql> insert into sahil values (23322, 'Ritesh', 8732);
```

```
Query OK, 1 row affected (0.15 sec)
```

```
mysql> select * from sahil;
```

```
+-----+-----+-----+
| roll_no | name | mob_no |
+-----+-----+-----+
| 23315 | Sahil | 9405 |
| 23302 | Swap | 8774 |
| 23320 | Devanshu | 9203 |
| 23322 | Ritesh | 8732 |
+-----+-----+-----+
```

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

```
mysql> insert into sahil values (23319, 'Shrujan', 3281);
```

```
Query OK, 1 row affected (0.09 sec)
```

```
mysql> select * from sahil;
```

```
+-----+-----+-----+
| roll_no | name | mob_no |
+-----+-----+-----+
| 23315 | Sahil | 9405 |
| 23302 | Swap | 8774 |
| 23320 | Devanshu | 9203 |
| 23322 | Ritesh | 8732 |
| 23319 | Shrujan | 3281 |
+-----+-----+-----+
```

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

```
mysql> create user 'leaf'@'localhost' identified by '123';
```

```
Query OK, 0 rows affected (0.16 sec)
```

```
mysql> grant insert on college.sahil to 'leaf'@'localhost';
```

```
Query OK, 0 rows affected (0.14 sec)
```

```
mysql> grant select on college.sahil to 'leaf'@'localhost';
```

```
Query OK, 0 rows affected (0.11 sec)
```

```
mysql> revoke select on college.sahil from 'leaf'@'localhost';
```

```
Query OK, 0 rows affected (0.14 sec)
```

```
mysql> revoke insert on college.sahil from 'leaf'@'localhost';
```

```
Query OK, 0 rows affected (0.19 sec)
```

```
mysql>
```

```
----- Client Server -----
```

```
$ sudo mysql -u leaf -p
```

```
[sudo] password for a3-403a-11:
```

```
Enter password:
```

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

```
mysql> show databases;
```

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

```
| Database |
```

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

```
| information_schema |
```

```
| performance_schema |
```

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

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

```
mysql> insert into sahil values (23314, 'Sahil', 8372);
```

```
ERROR 1046 (3D000): No database selected
```

```
mysql> show databases;
```

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

```
| Database |
```

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

```
| college |
```

```
| information_schema |
```

```
| performance_schema |
```

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

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

```
mysql> use college;
```

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

```
mysql> insert into sahil values (23314, 'Sahil', 8372);
```

Query OK, 1 row affected (0.15 sec)

```
mysql> select * from sahil;
```

ERROR 1142 (42000): SELECT command denied to user 'leaf'@'localhost' for table 'sahil'

```
mysql> show tables;
```

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

```
| Tables_in_college |
```

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

```
| sahil |
```

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

1 row in set (0.00 sec)

```
mysql> select * from sahil;
```

ERROR 1142 (42000): SELECT command denied to user 'leaf'@'localhost' for table 'sahil'

```
mysql> select * from sahil;
```

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

```
| roll_no | name | mob_no |
```

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

```
| 23315 | Sahil | 9405 |
```

```
| 23302 | Swap | 8774 |
```

```
| 23320 | Devanshu | 9203 |
```

```
| 23322 | Ritesh | 8732 |
```

```
| 23319 | Shrujan | 3281 |
```

```
| 23314 | Sahil | 8372 |
```

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

6 rows in set (0.00 sec)

```
mysql> desc sahil;
```

Field	Type	Null	Key	Default	Extra
roll_no	int	YES		NULL	
name	varchar(20)	YES		NULL	
mob_no	int	YES		NULL	

3 rows in set (0.00 sec)

mysql> select \* from sahil;

ERROR 1142 (42000): SELECT command denied to user 'leaf'@'localhost' for table 'sahil'

mysql> insert into sahil values (23315, 'Rahul', 2345);

Query OK, 1 row affected (0.13 sec)

mysql> insert into sahil values (23318, 'Kanad', 2865);

ERROR 1142 (42000): INSERT command denied to user 'leaf'@'localhost' for table 'sahil'

mysql>