Enter password: \*\*\*\*

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

Your MySQL connection id is 12

Server version: 8.0.41 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

-> ^C

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| sys |

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

4 rows in set (1.87 sec)

mysql> create databse nit;

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 'databse nit' at line 1

mysql> create database nit;

Query OK, 1 row affected (0.36 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| nit |

| performance\_schema |

| sys |

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

5 rows in set (0.00 sec)

mysql> use nit;

Database changed

mysql> show tables;

Empty set (0.39 sec)

mysql> create table student(

-> name varchar(30),

-> id int not null primary key,

-> address varchar(50),

-> marks int);

Query OK, 0 rows affected (2.05 sec)

mysql> show tables;

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

| Tables\_in\_nit |

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

| student |

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

1 row in set (0.02 sec)

mysql> desc student;

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

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

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

| name | varchar(30) | YES | | NULL | |

| id | int | NO | PRI | NULL | |

| address | varchar(50) | YES | | NULL | |

| marks | int | YES | | NULL | |

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

4 rows in set (0.07 sec)

mysql> insert into student(marks,id,name,address) values (94,1111,'Bhavana','Hyderabad');

Query OK, 1 row affected (0.28 sec)

mysql> insert into student(marks,id,name,address) values (84,2222,'Marthand','Chennai');

Query OK, 1 row affected (0.17 sec)

mysql> insert into student(marks,id,name,address) values (74,3333,'Hithaardh','Bangalore');

Query OK, 1 row affected (0.20 sec)

mysql> desc student;

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

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

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

| name | varchar(30) | YES | | NULL | |

| id | int | NO | PRI | NULL | |

| address | varchar(50) | YES | | NULL | |

| marks | int | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> insert into student values('Venkat',4444,'Hyderabad',90);

Query OK, 1 row affected (0.12 sec)

mysql> insert into student values ('Sudha',5555,'Nellore',100), ('Mohit',6666,'Hyderabad',70), ('Sri Nidhi',7777,'Hyderabad', 78);

Query OK, 3 rows affected (0.14 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bangalore | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> select name from student;

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

| name |

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

| Bhavana |

| Marthand |

| Hithaardh |

| Venkat |

| Sudha |

| Mohit |

| Sri Nidhi |

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

7 rows in set (0.00 sec)

mysql> select name,id from student;

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

| name | id |

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

| Bhavana | 1111 |

| Marthand | 2222 |

| Hithaardh | 3333 |

| Venkat | 4444 |

| Sudha | 5555 |

| Mohit | 6666 |

| Sri Nidhi | 7777 |

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

7 rows in set (0.00 sec)

mysql> select \* from student where id=1111;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

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

1 row in set (0.00 sec)

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bangalore | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> insert into student values ('Bhavana',1111,'Hyderabad',94)

-> ^C

mysql> insert into student values ('Bhavana',1111,'Hyderabad',94);

ERROR 1062 (23000): Duplicate entry '1111' for key 'student.PRIMARY'

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bangalore | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> update student set address = 'Bengaluru' where address='Bangalore';

Query OK, 1 row affected (0.16 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> alter table student add phoneNumber int;

Query OK, 0 rows affected (1.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks | phoneNumber |

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

| Bhavana | 1111 | Hyderabad | 94 | NULL |

| Marthand | 2222 | Chennai | 84 | NULL |

| Hithaardh | 3333 | Bengaluru | 74 | NULL |

| Venkat | 4444 | Hyderabad | 90 | NULL |

| Sudha | 5555 | Nellore | 100 | NULL |

| Mohit | 6666 | Hyderabad | 70 | NULL |

| Sri Nidhi | 7777 | Hyderabad | 78 | NULL |

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

7 rows in set (0.06 sec)

mysql> update student set address = 'Bengaluru' wher^Caddress='Bangalore';

mysql> update student set phoneNumber = 987654321

-> ^C

mysql> update student set phoneNumber = 987654321;

Query OK, 7 rows affected (0.17 sec)

Rows matched: 7 Changed: 7 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks | phoneNumber |

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

| Bhavana | 1111 | Hyderabad | 94 | 987654321 |

| Marthand | 2222 | Chennai | 84 | 987654321 |

| Hithaardh | 3333 | Bengaluru | 74 | 987654321 |

| Venkat | 4444 | Hyderabad | 90 | 987654321 |

| Sudha | 5555 | Nellore | 100 | 987654321 |

| Mohit | 6666 | Hyderabad | 70 | 987654321 |

| Sri Nidhi | 7777 | Hyderabad | 78 | 987654321 |

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

7 rows in set (0.00 sec)

mysql> alter table student add^ChoneNumber int;

mysql> update student set phoneNumer=976543218 where address = 'Hyderabad';

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

mysql> update student set phoneNumber=976543218 where address = 'Hyderabad';

Query OK, 4 rows affected (0.16 sec)

Rows matched: 4 Changed: 4 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks | phoneNumber |

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

| Bhavana | 1111 | Hyderabad | 94 | 976543218 |

| Marthand | 2222 | Chennai | 84 | 987654321 |

| Hithaardh | 3333 | Bengaluru | 74 | 987654321 |

| Venkat | 4444 | Hyderabad | 90 | 976543218 |

| Sudha | 5555 | Nellore | 100 | 987654321 |

| Mohit | 6666 | Hyderabad | 70 | 976543218 |

| Sri Nidhi | 7777 | Hyderabad | 78 | 976543218 |

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

7 rows in set (0.00 sec)

mysql> desc student;

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

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

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

| name | varchar(30) | YES | | NULL | |

| id | int | NO | PRI | NULL | |

| address | varchar(50) | YES | | NULL | |

| marks | int | YES | | NULL | |

| phoneNumber | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table student modify column name varchar(60);

Query OK, 0 rows affected (0.31 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

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

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

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

| name | varchar(60) | YES | | NULL | |

| id | int | NO | PRI | NULL | |

| address | varchar(50) | YES | | NULL | |

| marks | int | YES | | NULL | |

| phoneNumber | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table student drop column phoneNumber;

Query OK, 0 rows affected (0.33 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (1.17 sec)

mysql> select \* from student where marks > 80;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

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

4 rows in set (0.15 sec)

mysql> select \* from student where marks != 80;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> select \* from student where marks < 80;

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

| name | id | address | marks |

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

| Hithaardh | 3333 | Bengaluru | 74 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

3 rows in set (0.00 sec)

mysql> select \* from student where marks <> 84;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

6 rows in set (0.00 sec)

mysql> select \* from student where marks <> 80;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> select \* from student where marks >= 84;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

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

4 rows in set (0.00 sec)

mysql> select \* from student where marks >= 84 AND id > 2000;

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

| name | id | address | marks |

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

| Marthand | 2222 | Chennai | 84 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

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

3 rows in set (0.13 sec)

mysql> select \* from student where name is not null;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.06 sec)

mysql> select \* from student where name like '%an%'

-> ^C

mysql> select \* from student where name like '%an%';

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

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

2 rows in set (0.10 sec)

mysql> select \* from student where address like '%bad';

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Venkat | 4444 | Hyderabad | 90 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

4 rows in set (0.00 sec)

mysql> select \* from student where marks in (70,78);

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

| name | id | address | marks |

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

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

2 rows in set (0.00 sec)

mysql> select \* from student where marks between 70 and 100;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.01 sec)

mysql> select name from students where marks > 80;

ERROR 1146 (42S02): Table 'nit.students' doesn't exist

mysql> select \* from student where marks between 70 and 100;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql> select name from students where exists (select name from students where marks > 80);

ERROR 1146 (42S02): Table 'nit.students' doesn't exist

mysql> select name from student where exists (select name from student where marks > 80);

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

| name |

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

| Bhavana |

| Marthand |

| Hithaardh |

| Venkat |

| Sudha |

| Mohit |

| Sri Nidhi |

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

7 rows in set (0.32 sec)

mysql> select name from student where marks > 80;

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

| name |

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

| Bhavana |

| Marthand |

| Venkat |

| Sudha |

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

4 rows in set (0.00 sec)

mysql>

mysql> select \* from student where marks > ALL(select marks from student where id>2000);

Empty set (0.12 sec)

mysql> select \* from student where marks > ANY(select marks from student where id>2000);

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

6 rows in set (0.10 sec)

mysql> select \* from student;

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

| name | id | address | marks |

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

| Bhavana | 1111 | Hyderabad | 94 |

| Marthand | 2222 | Chennai | 84 |

| Hithaardh | 3333 | Bengaluru | 74 |

| Venkat | 4444 | Hyderabad | 90 |

| Sudha | 5555 | Nellore | 100 |

| Mohit | 6666 | Hyderabad | 70 |

| Sri Nidhi | 7777 | Hyderabad | 78 |

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

7 rows in set (0.00 sec)

mysql>