Microsoft Windows [Version 10.0.26100.4652]

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

Access is denied.

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 16

Server version: 9.2.0 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 TABLE marks (

-> student\_id INT,

-> subject VARCHAR(50),

-> marks\_obtained INT

-> );

ERROR 1046 (3D000): No database selected

mysql> create database pqr;

Query OK, 1 row affected (0.02 sec)

mysql> use pqr;

Database changed

mysql> CREATE TABLE marks (

-> student\_id INT,

-> subject VARCHAR(50),

-> marks\_obtained INT

-> );

Query OK, 0 rows affected (0.03 sec)

mysql> SELECT student\_id, subject, marks\_obtained + 10 AS total\_marks FROM marks;

Empty set (0.01 sec)

mysql> SELECT student\_id, (marks\_obtained / 100) \* 100 AS percentage FROM marks;

Empty set (0.00 sec)

mysql> CREATE TABLE students (

-> id INT PRIMARY KEY,

-> name VARCHAR(50),

-> age INT,

-> marks INT,

-> gender VARCHAR(10)

-> );

Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO students (id, name, age, marks, gender) VALUES

-> (1, 'Kadu', 20, 85, 'Female'),

-> (2, 'Aman', 22, 75, 'Male'),

-> (3, 'Riya', 19, 95, 'Female'),

-> (4, 'Sam', 21, 65, 'Male'),

-> (5, 'Neha', 20, 55, 'Female');

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT name, marks, marks + 5 AS bonus\_marks FROM students;

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

| name | marks | bonus\_marks |

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

| Kadu | 85 | 90 |

| Aman | 75 | 80 |

| Riya | 95 | 100 |

| Sam | 65 | 70 |

| Neha | 55 | 60 |

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

5 rows in set (0.00 sec)

mysql> SELECT name, marks, marks \* 2 AS double\_marks FROM students;

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

| name | marks | double\_marks |

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

| Kadu | 85 | 170 |

| Aman | 75 | 150 |

| Riya | 95 | 190 |

| Sam | 65 | 130 |

| Neha | 55 | 110 |

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

5 rows in set (0.00 sec)

mysql> SELECT \* FROM students WHERE marks > 70;

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

| id | name | age | marks | gender |

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

| 1 | Kadu | 20 | 85 | Female |

| 2 | Aman | 22 | 75 | Male |

| 3 | Riya | 19 | 95 | Female |

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

3 rows in set (0.00 sec)

mysql> SELECT \* FROM students WHERE age = 20;

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

| id | name | age | marks | gender |

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

| 1 | Kadu | 20 | 85 | Female |

| 5 | Neha | 20 | 55 | Female |

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

2 rows in set (0.00 sec)

mysql> SELECT \* FROM students WHERE gender = 'Female' AND marks > 70;

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

| id | name | age | marks | gender |

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

| 1 | Kadu | 20 | 85 | Female |

| 3 | Riya | 19 | 95 | Female |

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

2 rows in set (0.00 sec)

mysql> SELECT \* FROM students WHERE gender = 'Male' OR marks < 60;

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

| id | name | age | marks | gender |

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

| 2 | Aman | 22 | 75 | Male |

| 4 | Sam | 21 | 65 | Male |

| 5 | Neha | 20 | 55 | Female |

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

3 rows in set (0.01 sec)

mysql> SELECT \* FROM students WHERE marks BETWEEN 60 AND 90;

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

| id | name | age | marks | gender |

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

| 1 | Kadu | 20 | 85 | Female |

| 2 | Aman | 22 | 75 | Male |

| 4 | Sam | 21 | 65 | Male |

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

3 rows in set (0.06 sec)

mysql> SELECT \* FROM students WHERE age IN (19, 20);

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

| id | name | age | marks | gender |

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

| 1 | Kadu | 20 | 85 | Female |

| 3 | Riya | 19 | 95 | Female |

| 5 | Neha | 20 | 55 | Female |

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

3 rows in set (0.02 sec)

mysql> SELECT \* FROM students WHERE name LIKE 'N%';

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

| id | name | age | marks | gender |

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

| 5 | Neha | 20 | 55 | Female |

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

1 row in set (0.02 sec)

mysql> SELECT \* FROM students ORDER BY marks DESC;

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

| id | name | age | marks | gender |

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

| 3 | Riya | 19 | 95 | Female |

| 1 | Kadu | 20 | 85 | Female |

| 2 | Aman | 22 | 75 | Male |

| 4 | Sam | 21 | 65 | Male |

| 5 | Neha | 20 | 55 | Female |

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

5 rows in set (0.11 sec)

mysql> create index xyz on student\_1(Rollno);

ERROR 1146 (42S02): Table 'pqr.student\_1' doesn't exist

mysql> CREATE TABLE student\_1 (

-> Rollno INT PRIMARY KEY,

-> name VARCHAR(50)

-> );

Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO student\_1 (Rollno, name) VALUES

-> (101, 'Riya'),

-> (102, 'Aman'),

-> (103, 'Neha'),

-> (104, 'Sam');

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> CREATE INDEX xyz ON student\_1(Rollno);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> CREATE UNIQUE INDEX abc ON student\_1(name);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE student\_1 DROP INDEX xyz;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> UPDATE student\_1 SET name = 'Ajay' WHERE Rollno = 104;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT \* FROM student\_1;

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

| Rollno | name |

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

| 104 | Ajay |

| 102 | Aman |

| 103 | Neha |

| 101 | Riya |

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

4 rows in set (0.00 sec)

mysql> DROP INDEX abc ON student\_1;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> CREATE UNIQUE INDEX abc ON student\_1(name);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> SHOW INDEX FROM student\_1;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

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

| student\_1 | 0 | PRIMARY | 1 | Rollno | A | 4 | NULL | NULL | | BTREE | | | YES | NULL |

| student\_1 | 0 | abc | 1 | name | A | 4 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

2 rows in set (0.04 sec)

mysql>