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MySQL 8.0 Command Line Client                                    —  □  ✕

Enter password: ********************
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 33
Server version: 8.0.32 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 student9;
Query OK, 1 row affected (0.01 sec)

mysql> USE student9;
Database changed
mysql> CREATE TABLE student9(
    ->     name VARCHAR(255),
    ->     score INT,
    ->     assessment VARCHAR(255)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE student9;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| name       | varchar(255) | YES  |     | NULL    |       |
| score      | int          | YES  |     | NULL    |       |
| assessment | varchar(255) | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> INSERT INTO student9 (name, score, assessment) VALUES
    -> ('John', 80, 'Assessment 1'),
    -> ('Jane', 90, 'Assessment 1'),
    -> ('Bob', 75, 'Assessment 1'),
    -> ('Alice', 85, 'Assessment 1'),
    -> ('Charlie', 95, 'Assessment 1'),
    -> ('John', 70, 'Assessment 2'),
    -> ('Jane', 85, 'Assessment 2'),
    -> ('Bob', 80, 'Assessment 2'),
    -> ('Alice', 90, 'Assessment 2'),
    -> ('Charlie', 75, 'Assessment 2');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> SELECT *from student9;
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mysql> SELECT *from student9;
+---------+-------+--------------+
| name    | score | assessment   |
+---------+-------+--------------+
| John    |    80 | Assessment 1 |
| Jane    |    90 | Assessment 1 |
| Bob     |    75 | Assessment 1 |
| Alice   |    85 | Assessment 1 |
| Charlie |    95 | Assessment 1 |
| John    |    70 | Assessment 2 |
| Jane    |    85 | Assessment 2 |
| Bob     |    80 | Assessment 2 |
| Alice   |    90 | Assessment 2 |
| Charlie |    75 | Assessment 2 |
+---------+-------+--------------+
10 rows in set (0.00 sec)

mysql> SELECT name
    -> FROM student
    -> GROUP BY name
    -> HAVING AVG(score) < (SELECT AVG(score) FROM student);
ERROR 1146 (42S02): Table 'student9.student' doesn't exist
mysql> SELECT name
    -> FROM student9
    -> GROUP BY name
    -> HAVING AVG(score) < (SELECT AVG(score) FROM student9);
+------+
| name |
+------+
| John |
| Bob  |
+------+
2 rows in set (0.00 sec)

mysql> SELECT name
    -> FROM student9
    -> GROUP BY name
    -> HAVING COUNT(DISTINCT assessment) > 1;
+---------+
| name    |
+---------+
| Alice   |
| Bob     |
| Charlie |
| Jane    |
| John    |
+---------+
5 rows in set (0.00 sec)
```

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MySQL 8.0 Command Line Client

mysql> DESCRIBE faculty9;
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| name   | varchar(255) | YES  |     | NULL    |       |
| DOB    | date         | YES  |     | NULL    |       |
| gender | varchar(10)  | YES  |     | NULL    |       |
| DOJ    | date         | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> INSERT INTO faculty (name, DOB, gender, DOJ) VALUES
    -> ('John', '1980-01-01', 'Male', '2022-01-01'),
    -> ('Jane', '1975-03-15', 'Female', '2022-02-15'),
    -> ('Bob', '1985-06-20', 'Male', '2022-03-10'),
    -> ('Alice', '1982-09-05', 'Female', '2022-04-05'),
    -> ('Charlie', '1978-11-30', 'Male', '2022-05-20');
ERROR 1146 (42S02): Table 'student9.faculty' doesn't exist
mysql> ^C
mysql> INSERT INTO faculty9 (name, DOB, gender, DOJ) VALUES
    -> ('John', '1980-01-01', 'Male', '2022-01-01'),
    -> ('Jane', '1975-03-15', 'Female', '2022-02-15'),
    -> ('Bob', '1985-06-20', 'Male', '2022-03-10'),
    -> ('Alice', '1982-09-05', 'Female', '2022-04-05'),
    -> ('Charlie', '1978-11-30', 'Male', '2022-05-20');
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> SELECT *from faculty9;
+---------+------------+--------+------------+
| name    | DOB        | gender | DOJ        |
+---------+------------+--------+------------+
| John    | 1980-01-01 | Male   | 2022-01-01 |
| Jane    | 1975-03-15 | Female | 2022-02-15 |
| Bob     | 1985-06-20 | Male   | 2022-03-10 |
| Alice   | 1982-09-05 | Female | 2022-04-05 |
| Charlie | 1978-11-30 | Male   | 2022-05-20 |
+---------+------------+--------+------------+
5 rows in set (0.00 sec)

mysql> SELECT name, DOJ
    -> FROM faculty9
    -> WHERE DOJ = (SELECT MAX(DOJ) FROM faculty9);
+---------+------------+
| name    | DOJ        |
+---------+------------+
| Charlie | 2022-05-20 |
+---------+------------+
1 row in set (0.00 sec)
```