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Select MySQL 8.1 Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.1.0 MySQL Community Server - GPL

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owners.

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

mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| museum   |
| mysql    |
| performance_schema |
| student  |
| sys      |
| visitor  |
+-----+
11 rows in set (0.08 sec)

mysql> drop database museum;
Query OK, 4 rows affected (0.07 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| mysql    |
+-----+
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mysql> show databases;
+-----+
| Database |
+-----+
| collage  |
| emp      |
| employee |
| hostel   |
| information_schema |
| mysql    |
| performance_schema |
| student  |
| sys      |
| visitor  |
+-----+
10 rows in set (0.00 sec)

mysql> create database museum;
Query OK, 1 row affected (0.01 sec)

mysql> use museum;
Database changed
mysql> show tables;
Empty set (0.01 sec)

mysql> CREATE TABLE visitor(id INT PRIMARY KEY,name VARCHAR(25) NOT NULL,salary float NOT NULL);
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO visitor VALUES (1,'Snehal',500000),(2,'Prasad',550000);
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> INSERT INTO visitor VALUES (3,'Harshu',350000),(4,'Amar',353240);
Query OK, 2 rows affected (0.00 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM visitor;
+----+-----+-----+
| id | name  | salary |
+----+-----+-----+
| 1  | Snehal | 500000 |
| 2  | Prasad | 550000 |
| 3  | Harshu | 350000 |
+----+-----+-----+
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mysql> SELECT * FROM visitor;
+----+-----+-----+
| id | name  | salary |
+----+-----+-----+
| 1  | Snehal | 500000 |
| 2  | Prasad | 550000 |
| 3  | Harshu | 350000 |
| 4  | Amar  | 353240 |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> INSERT INTO orders VALUES (1,2,200),(2,2,1200),(3,3,2300),(4,4,2100),(5,1,100);
ERROR 1146 (42502): Table 'museum.orders' doesn't exist
mysql> CREATE TABLE booking(bid INT PRIMARY KEY, vid int(10), amount VARCHAR(25) NOT NULL);
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> INSERT INTO booking VALUES (1,2,200),(2,2,1200),(3,3,2300),(4,4,2100),(5,1,100);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM booking;
+----+-----+-----+
| bid | vid  | amount |
+----+-----+-----+
| 1    | 2    | 200    |
| 2    | 2    | 1200   |
| 3    | 3    | 2300   |
| 4    | 4    | 2100   |
| 5    | 1    | 100    |
+----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT name,salary,amount FROM visitor LEFT JOIN booking ON visitor.id = booking.visitor_id;
ERROR 1054 (42S22): Unknown column 'booking.visitor_id' in 'on clause'
mysql> SELECT name,salary,amount FROM visitor LEFT JOIN booking ON vid = booking.vid;
+-----+-----+-----+
| name  | salary | amount |
+-----+-----+-----+
| Snehal | 500000 | 100    |
| Snehal | 500000 | 2100   |
| Snehal | 500000 | 2300   |
| Snehal | 500000 | 1200   |
| Snehal | 500000 | 200    |
+-----+-----+-----+
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mysql> SELECT name,salary,amount FROM visitor LEFT JOIN booking ON visitor.id = booking.visitor_id;
ERROR 1054 (42S22): Unknown column 'booking.visitor_id' in 'on clause'
mysql> SELECT name,salary,amount FROM visitor LEFT JOIN booking ON vid = booking.vid;
+-----+-----+-----+
| name  | salary | amount |
+-----+-----+-----+
| Snehal | 500000 | 100    |
| Snehal | 500000 | 2100   |
| Snehal | 500000 | 2300   |
| Snehal | 500000 | 1200   |
| Snehal | 500000 | 200    |
| Prasad | 550000 | 100    |
| Prasad | 550000 | 2100   |
| Prasad | 550000 | 2300   |
| Prasad | 550000 | 1200   |
| Prasad | 550000 | 200    |
| Harshu | 350000 | 100    |
| Harshu | 350000 | 2100   |
| Harshu | 350000 | 2300   |
| Harshu | 350000 | 1200   |
| Harshu | 350000 | 200    |
| Amar   | 353240 | 100    |
| Amar   | 353240 | 2100   |
| Amar   | 353240 | 2300   |
| Amar   | 353240 | 1200   |
| Amar   | 353240 | 200    |
+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> SELECT name,salary,amount FROM visitor RIGHT JOIN booking ON vid = booking.vid;
+-----+-----+-----+
| name  | salary | amount |
+-----+-----+-----+
| Amar   | 353240 | 200    |
| Harshu | 350000 | 200    |
| Prasad | 550000 | 200    |
| Snehal | 500000 | 200    |
| Amar   | 353240 | 1200   |
| Harshu | 350000 | 1200   |
| Prasad | 550000 | 1200   |
| Snehal | 500000 | 1200   |
| Amar   | 353240 | 2300   |
| Harshu | 350000 | 2300   |
| Prasad | 550000 | 2300   |
+-----+-----+-----+
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Select MySQL 8.1 Command Line Client
20 rows in set (0.00 sec)

mysql> SELECT name,salary,amount FROM visitor FULL JOIN booking ON id = booking.vid;
+-----+-----+-----+
| name | salary | amount |
+-----+-----+-----+
| Prasad | 550000 | 200 |
| Prasad | 550000 | 1200 |
| Harshu | 353240 | 2300 |
| Amar | 353240 | 2100 |
| Snehal | 500000 | 100 |
+-----+-----+-----+
5 rows in set, 1 warning (0.00 sec)

mysql> SELECT a.id,b.name,a.salary FROM visitor a, visitor b WHERE a.salary > b.salary;
+-----+-----+-----+
| id | name | salary |
+-----+-----+-----+
| 2 | Snehal | 550000 |
| 4 | Harshu | 353240 |
| 2 | Harshu | 550000 |
| 1 | Harshu | 500000 |
| 2 | Amar | 550000 |
| 1 | Amar | 500000 |
+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT a.id,b.name,a.salary FROM visitor a, visitor b WHERE a.salary > b.salary;
+-----+-----+-----+
| id | name | salary |
+-----+-----+-----+
| 2 | Snehal | 550000 |
| 4 | Harshu | 353240 |
| 2 | Harshu | 550000 |
| 1 | Harshu | 500000 |
| 2 | Amar | 550000 |
| 1 | Amar | 500000 |
+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT id,name,amount FROM visitor,booking;
+-----+-----+-----+
| id | name | amount |
+-----+-----+-----+

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Select MySQL 8.1 Command Line Client

mysql> SELECT id,name,amount FROM visitor,booking;
+-----+-----+-----+
| id | name | amount |
+-----+-----+-----+
| 4 | Amar | 200 |
| 3 | Harshu | 200 |
| 2 | Prasad | 200 |
| 1 | Snehal | 200 |
| 4 | Amar | 1200 |
| 3 | Harshu | 1200 |
| 2 | Prasad | 1200 |
| 1 | Snehal | 1200 |
| 4 | Amar | 2300 |
| 3 | Harshu | 2300 |
| 2 | Prasad | 2300 |
| 1 | Snehal | 2300 |
| 4 | Amar | 2100 |
| 3 | Harshu | 2100 |
| 2 | Prasad | 2100 |
| 1 | Snehal | 2100 |
| 4 | Amar | 100 |
| 3 | Harshu | 100 |
| 2 | Prasad | 100 |
| 1 | Snehal | 100 |
+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> SELECT id,name,amount FROM visitor,booking;
+-----+-----+-----+
| id | name | amount |
+-----+-----+-----+
| 4 | Amar | 200 |
| 3 | Harshu | 200 |
| 2 | Prasad | 200 |
| 1 | Snehal | 200 |
| 4 | Amar | 1200 |
| 3 | Harshu | 1200 |
| 2 | Prasad | 1200 |
| 1 | Snehal | 1200 |
| 4 | Amar | 2300 |
| 3 | Harshu | 2300 |
| 2 | Prasad | 2300 |
| 1 | Snehal | 2300 |

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3 | Harshu | 2100 |
2 | Prasad | 2100 |
1 | Snehal | 2100 |
4 | Amar | 100 |
3 | Harshu | 100 |
2 | Prasad | 100 |
1 | Snehal | 100 |
+-----+
20 rows in set (0.00 sec)

mysql> SELECT name FROM visitor WHERE id IN (SELECT visitor_id FROM booking);
ERROR 1054 (42S22): Unknown column 'visitor_id' in 'field list'
mysql> SELECT name FROM visitor WHERE id IN (SELECT vid FROM booking);
+-----+
| name |
+-----+
| Snehal |
| Prasad |
| Harshu |
| Amar |
+-----+
4 rows in set (0.00 sec)

mysql> UPDATE visitor SET salary=salary+1000 WHERE id IN (SELECT customer_id FROM booking);
ERROR 1054 (42S22): Unknown column 'customer_id' in 'field list'
mysql> UPDATE visitor SET salary=salary+1000 WHERE id IN (SELECT id FROM booking);
Query OK, 4 rows affected (0.00 sec)
Rows matched: 4 Changed: 4 Warnings: 0

mysql> SELECT * FROM visitor;
+-----+
| id | name | salary |
+-----+
| 1 | Snehal | 501000 |
| 2 | Prasad | 551000 |
| 3 | Harshu | 351000 |
| 4 | Amar | 354240 |
+-----+
4 rows in set (0.00 sec)

mysql>
```