Microsoft Windows [Version 10.0.19045.6093]

(c) Microsoft Corporation. All rights reserved.

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 12

Server version: 9.3.0 MySQL Community Server - GPL

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

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

mysql> create database demo1234;

Query OK, 1 row affected (0.01 sec)

mysql> use demo1234;

Database changed

mysql> create table student (rollno int primary key,name varchar(30),class varchar(30));

Query OK, 0 rows affected (0.02 sec)

mysql> create table fees (tid int primary key,rollno int,feesamt float,pdate date);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into student values(101,'sarthak','Te');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(102,'ravi','Te');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(103,'sai','Se');

Query OK, 1 row affected (0.01 sec)

mysql> insert into fees values(1001,101,45000,'2025-07-01');

Query OK, 1 row affected (0.01 sec)

mysql> insert into fees values(1002,102,5000,'2025-07-01');

Query OK, 1 row affected (0.01 sec)

mysql> insert into fees(tid, feesamt, pdate) values (1003, 50000, '2025-07-01');

Query OK, 1 row affected (0.01 sec)

mysql> insert into fees(tid, feesamt, pdate) values (1004, 5000, '2025-07-01');

Query OK, 1 row affected (0.01 sec)

mysql> insert into fees(tid, feesamt, pdate) values (1003, 50000, '2025-07-01');

ERROR 1062 (23000): Duplicate entry '1003' for key 'fees.PRIMARY'

mysql> insert into fees(tid, feesamt, pdate) values (1004, 50000, '2025-07-01');

ERROR 1062 (23000): Duplicate entry '1004' for key 'fees.PRIMARY'

mysql> insert into fees(tid, feesamt, pdate) values (1000, 50000, '2025-07-01');

Query OK, 1 row affected (0.01 sec)

mysql> select \*from fees;

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

| tid | rollno | feesamt | pdate |

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

| 1000 | NULL | 50000 | 2025-07-01 |

| 1001 | 101 | 45000 | 2025-07-01 |

| 1002 | 102 | 5000 | 2025-07-01 |

| 1003 | NULL | 50000 | 2025-07-01 |

| 1004 | NULL | 5000 | 2025-07-01 |

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

5 rows in set (0.00 sec)

mysql> select name ,class,feesamt,pdate from student inner join fees on student.rollno=fees.rollno;

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

| name | class | feesamt | pdate |

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

| sarthak| Te | 45000 | 2025-07-01 |

| ravi | Te | 5000 | 2025-07-01 |

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

2 rows in set (0.00 sec)

mysql> select name ,class,feesamt,pdate from student left join fees on student.rollno=fees.rollno;

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

| name | class | feesamt | pdate |

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

| sarthak| Te | 45000 | 2025-07-01 |

| ravi | Te | 5000 | 2025-07-01 |

| Sai. | Se | NULL | NULL |

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

3 rows in set (0.00 sec)

mysql> select name ,class,feesamt,pdate from student right join fees on student.rollno=fees.rollno;

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

| name | class | feesamt | pdate |

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

| NULL | NULL | 50000 | 2025-07-01 |

| sarthak | Te | 45000 | 2025-07-01 |

| ravi | Te | 5000 | 2025-07-01 |

| NULL | NULL | 50000 | 2025-07-01 |

| NULL | NULL | 5000 | 2025-07-01 |

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

5 rows in set (0.00 sec)

mysql> SELECT name FROM student WHERE rollno IN (SELECT rollno FROM fees WHERE rollno IS NOT NULL);

+-------+

| name |

+-------+

| sarthak |

| ravi. |

+-------+

2 rows in set (0.01 sec)

mysql> SELECT name FROM student WHERE rollno NOT IN (SELECT rollno FROM fees WHERE rollno IS NOT NULL);

+--------+

| name |

+--------+

| sai |

+--------+

1 row in set (0.00 sec)

mysql> SELECT name, feesamt FROM student JOIN fees ON student.rollno = fees.rollno WHERE feesamt = (SELECT MAX(feesamt) FROM fees);

Empty set (0.01 sec)

mysql>

mysql> SELECT name, (SELECT SUM(feesamt) FROM fees WHERE fees.rollno = student.rollno) AS total\_fees FROM student;

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

| name | total\_fees |

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

| sarthak| 45000 |

| ravi | 5000 |

| sai | NULL |

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

3 rows in set (0.00 sec)