

■ MySQL Complete Query Sheet with Examples

SHOW DATABASES

```
SHOW DATABASES;
```

CREATE DATABASE

```
CREATE DATABASE mydb;
```

DROP DATABASE

```
DROP DATABASE mydb;
```

USE DATABASE

```
USE mydb;
```

CREATE TABLE

```
CREATE TABLE students (id INT, name VARCHAR(50), age INT);
```

RENAME TABLE

```
RENAME TABLE students TO learners;
```

DROP TABLE

```
DROP TABLE learners;
```

INSERT VALUE

```
INSERT INTO students VALUES (1, 'Rafi', 20);
```

SHOW ANY COLUMN

```
SELECT name FROM students;
```

SHOW ALL DATA IN COLUMN

```
SELECT * FROM students;
```

DISTINCT

```
SELECT DISTINCT age FROM students;
```

LIMIT

```
SELECT * FROM students LIMIT 5;
```

ORDER BY

```
SELECT * FROM students ORDER BY age DESC;
```

WHERE

```
SELECT * FROM students WHERE age > 18;
```

OPERATORS

```
SELECT * FROM students WHERE age >= 18 AND name != 'Rafi';
```

UPDATE

```
UPDATE students SET age = 22 WHERE id = 1;
```

DELETE

```
DELETE FROM students WHERE id = 1;
```

UPPER()

```
SELECT UPPER(name) FROM students;
```

LOWER()

```
SELECT LOWER(name) FROM students;
```

CONCAT()

```
SELECT CONCAT(name, ' - ', age) FROM students;
```

GREATEST()

```
SELECT GREATEST(10, 20, 30);
```

LEAST()

```
SELECT LEAST(10, 20, 30);
```

POW()

```
SELECT POW(2, 3); -- Output: 8
```

LOG()

```
SELECT LOG(10);
```

LOG10()

```
SELECT LOG10(1000); -- Output: 3
```

TRUNCATE()

```
SELECT TRUNCATE(123.4567, 2); -- Output: 123.45
```

RAND()

```
SELECT RAND();
```

EXP()

```
SELECT EXP(2);
```

DESCRIBE TABLE

```
DESCRIBE students;
```

AVG()

```
SELECT AVG(age) FROM students;
```

SUM()

```
SELECT SUM(age) FROM students;
```

MAX()

```
SELECT MAX(age) FROM students;
```

MIN()

```
SELECT MIN(age) FROM students;
```

COUNT()

```
SELECT COUNT(*) FROM students;
```

SUBQUERY

```
SELECT name FROM students WHERE age > (SELECT AVG(age) FROM students);
```

ALTER ADD

```
ALTER TABLE students ADD email VARCHAR(100);
```

ALTER CHANGE

```
ALTER TABLE students CHANGE age student_age INT;
```

ALTER DELETE

```
ALTER TABLE students DROP COLUMN email;
```

ALTER

```
ALTER TABLE students MODIFY name VARCHAR(100);
```

GROUP BY CLAUSE

```
SELECT age, COUNT(*) FROM students GROUP BY age;
```

TRUNCATE TABLE

```
TRUNCATE TABLE students;
```

JOIN TABLE

```
SELECT * FROM students JOIN courses ON students.id = courses.student_id;
```

INNER JOIN

```
SELECT * FROM students INNER JOIN courses ON students.id = courses.student_id;
```

LEFT JOIN

```
SELECT * FROM students LEFT JOIN courses ON students.id = courses.student_id;
```

RIGHT JOIN

```
SELECT * FROM students RIGHT JOIN courses ON students.id =  
courses.student_id;
```

UNION

```
SELECT name FROM students UNION SELECT course_name FROM courses;
```

UNION ALL

```
SELECT name FROM students UNION ALL SELECT course_name FROM courses;
```

VIEW

```
CREATE VIEW student_view AS SELECT name, age FROM students;
```

DATE()

```
SELECT DATE(NOW());
```

TIME()

```
SELECT TIME(NOW());
```

NOW()

```
SELECT NOW();
```