

# ■ 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();
```