

|  |  |   |  |  |   |
|--|--|---|--|--|---|
| CONNECTING   | DATABASES  | TABLES  | CONDITIONALS   |  |   |
| sudo mysql<br>mysql -u user<br>mysql -u user -p<br>Enter password:   | SHOW DATABASES;<br>USE dbname;<br>CREATE DATABASE dbname;<br>DROP DATABASE dbname; | SHOW TABLES;<br>DESCRIBE tablename;<br>CREATE tablename (column1 datatype);<br>DROP TABLE tablename;  | field = value<br>field < value<br>field > value<br>field LIKE 'v%'<br><br>field IS NULL<br>field IS NOT NULL<br><br>field IN (val1, val2)<br>field NOT IN (..) |  |   |
| ADD AND AMEND DATA   |  | DATA TYPES  | AND OR NOT IF IFNULLCASE ELSE THEN END   |  |   |
| INSERT INTO tablename (column1, column2) VALUES ('value1', 'value2');<br>UPDATE tablename SET column1=newvalue1 WHERE condition;<br>DELETE FROM tablename WHERE condition;   |  | TINYINT integer, -128 to 127<br>INT integer, -2bn to 2bn<br>FLOAT decimal, 23 digits<br>VARCHAR string, 0 to 255<br>TEXT string, 0 to 25535<br>TIME HH:MM:SS<br>BLOB binary data<br>ENUM preset options |  |  |   |
| QUERY  |  |   |  |  |   |
| SELECT * FROM tablename;<br>SELECT * FROM tablename LIMIT 10;<br>SELECT column FROM tablename;<br><br>SELECT * FROM tablename WHERE condition;<br>SELECT * FROM tablename WHERE condition1 AND condition2;<br><br>SELECT * FROM tablename ORDER BY column1;<br>SELECT * FROM tablename GROUP BY column1;<br>SELECT * FROM table1 a, table2 b WHERE a.column1 = b.column1;<br><br>SELECT DISTINCT column1 FROM tablename;<br>SELECT COUNT(column1) FROM tablename;<br>SELECT AVG(column1) FROM tablename; |  |   |  |  |   |
|  |  | GROUP   | MATH   |  | STRING  |
|  |  | AVG<br>COUNT<br>MIN<br>MAX<br>STDDEV<br>SUM<br>VARIANCE   | ABS<br>COS<br>COT<br>EXP<br>LOG<br>LOG2<br>LOG10<br>LN<br><br>MOD<br>PI<br>POW<br>RAND<br>SIN<br>SIGN<br>SQRT<br>TAN   |  | CONCAT<br>INSERT<br>LCASE<br>LENGTH<br>LOCATE<br>REPEAT<br>REPLACE<br>SPACE<br>SUBSTRING<br>UCASE |
| AMEND TABLE STRUCTURE  |  | PRIVILEGES  |  |  |   |
| ALTER TABLE tablename ADD column2 datatype;<br>ALTER TABLE tablename MODIFY column1 datatype;<br>ALTER TABLE tablename CHANGE column_name new_column_name;   |  | CREATE USER 'username'@'localhost' IDENTIFIED BY 'password';<br>GRANT ALL PRIVILEGES TO 'username'@'localhost';<br>SET PASSWORD = PASSWORD('newpassword');  |  |  |   |