MySQL Commands Cheat Sheet

Users and Privileges

USER()

CREATE USER 'user'@'localhost';

DROP USER 'user'@'host';

GRANT privileges_names ON object TO user;

REVOKE privileges ON object FROM user;

ALTER USER user IDENTIFIED BY 'password';

SET PASSWORD = 'password';

SET PASSWORD FOR 'user'@'localhost' = 'password';

Databases

CREATE DATABASE database_name;

USE database_name;

DROP DATABASE database_name;

SHOW DATABASES;

Data Types

TINYINT

SMALLINT

MEDIUMINT

INT

BIGINT

DECIMAL

FLOAT

DOUBLE

CHAR

VARCHAR

BLOB

DATE

TIME

TIMESTAMP

DATETIME

TINYTEXT

TEXT

LONGTEXT

BIT

BOOL

Tables

SHOW TABLES;

DESCRIBE table_name

CREATE TABLE table_name (
    column1 datatype,
    column2 datatype,
    column3 datatype,
);

DROP TABLE table_name;

ALTER TABLE table_name
ADD column_name datatype;

ALTER TABLE table_name
DROP COLUMN column_name;

ALTER TABLE table_name
MODIFY COLUMN column_name datatype;

SELECT * FROM table_name;

SELECT column1, column2 ...
FROM table_name;

SELECT DISTINCT column1, column2, ...
FROM table_name;

SELECT column1, column2, ...
FROM table_name
WHERE condition;

SELECT column1, column2, ...
FROM table_name
WHERE condition;
ORDER BY column1 ASC/DESC;

SELECT column1, column2, ...
FROM table_name
WHERE condition;
GROUP BY column1

SELECT column1, column2, ...
FROM table_name
WHERE condition;
LIMIT number_of_results;

SELECT column1, column2, ...
FROM table1
INNER JOIN* table2
ON table1.column_name = table2.column_name;

*LEFT JOIN / RIGHT JOIN / FULL JOIN / SELF JOIN

Indexes

CREATE INDEX index_name
ON table_name (column1, column2, ...);

CREATE UNIQUE INDEX index_name
ON table_name (column1, column2, ...);

ALTER TABLE table_name
DROP INDEX index_name;

Views

CREATE VIEW view_name AS
SELECT column1, column2, ...
FROM table_name
WHERE condition;

CREATE OR REPLACE VIEW view_name AS
SELECT column1, column2, ...
FROM table_name
WHERE condition;

DROP VIEW view_name;

MySQL Functions

Date and Time

DATEDIFF	NOW
DAY	MONTH
DATE_ADD	STR_TO_DATE
DATE_SUB	SYSDATE
DATE_FORMAT	TIMEDIFF
DAYNAME	TIMESTAMPDIFF
DAYWEEK	WEEK
EXTRACT	WEEKDAY
LAST_DAY	YEAR

String

ASCII	OCT
BIN	OCTET_LENGHT
BIT_LENGHT	ORD
CHAR	POSITION
CHAR_LENGHT	QUOTE
CONCAT	REGEXP
CONCAT_WS	REGEXP_INSTR
ELT	REGEXP_LIKE
EXPORT_SET	REGEXP_REPLACE
FIELD	REGEXP_SUBSTR
FIND_IN_SET	REPEAT
FORMAT	REPLACE
FROM_BASE64	REVERSE
HEX	RIGHT
INSERT	RLIKE
INSTR	RPAD
LCASE	RTRIM
LEFT	SOUNDEX
LENGTH	SOUND_LIKE
LIKE	SPACE
LOAD_FILE	STRCMP
LOCATE	SUBSTR
LOWER	SUBSTRING_INDEX
LPAD	TO_BASE64
LTRIM	TRIM
MAKE_SET	UCASE
MATCH	UNHEX
MID	UPPER
NOT_LIKE	WEIGHT_STRING
NOT_REGEXP	

Math

ABS	LOG
ACOS	LOG2
ASIN	LOG10
ATAN	MOD
CEIL	PI
CONV	POW
COS	POWER
COT	RADIANS
CRC32	RAND
DEGREES	ROUND
EXP	SIGN
FLOOR	SQRT
LN	TAN
	TRUNCATE

Aggregate

AVG	MIN
BIT_AND	STD
BIT_OR	STDDEV
BIT_XOR	STDDEV_POP
COUNT	STDDEV_SAMP
GROUP_CONCAT	SUM
JSON_ARRAYAGG	VAR_POP
JSON_OBJECTAGG	VAR_SAMP
MAX	VARIANCE

Comparison

>	INTERVAL
>=	IS
<	IS_NOT
<> (!=)	IS_NOT_NULL
<=	IS_NULL
<=>	ISNULL
=	LIKE
BETWEEN...AND	NOT_BETWEEN...AND
COALESCE	NOT_IN
GREATEST	NOT_LIKE
IN	STRCMP

Flow Control

CASE	IFNULL
IF	NULLIF