Resource

Online
Official Website

Download
MySQL Cheat Sheet [.pdf]
MySQL Database Quick Reference [.pdf]

Related
Db2
Oracle
PostgreSQL
SQL
SQLite
Sybase

Data Types

Types
CHAR
String (0 - 255)
VARCHAR
String (0 - 255)
TINYTEXT
String (0 - 255)
TEXT
String (0 - 65535)
BLOB
String (0 - 65535)
MEDIUMTEXT
String (0 - 16777215)
MEDIUMBLOB
LONGTEXT
String (0 - 429496-7295)
LONGBLOB
String (0 - 429496-7295)
TINYINT x
Integer (-128 to 127)
SMALLINT x
Integer (-32768 to 32767)
MEDIUMINT x
Integer (-8388608 to 8388607)
INT x
Integer (-2147-483648 to 214748-3647)
BIGINT x
Integer (-9223-372-036-854-77 5808 to 922337-203-685-477-5 807)
FLOAT
Decimal (precise to 23 digits)
DOUBLE
Decimal (24 to 53 digits)
DECIMAL
"-DOU-BLE-" stored as string
DATE
YYYY-MM-DD
DATETIME
YYYY-MM-DD HH:MM:SS
TIMESTAMP
YYYYMM-DDH-HMMSS
TIME
HH:MM:SS
ENUM
One of preset options
SET
Selection of preset options

Operators

Assignment Operators
=
:=

Logical Operators
AND, &&
NOT, !
||, OR
XOR

Comparison Operators
BETWEEN ... AND ...
BINARY
&
~
|
^
CASE
DIV
/
<=>
=
>=
>
IS NOT NULL
IS NOT
IS NULL
IS
<<
<=
<
LIKE
-
% or MOD
NOT BETWEEN ... AND ...
!=, <>
NOT LIKE
NOT REGEXP
+
REGEXP
>>
RLIKE
SOUNDS LIKE
*
-

String

String Comparison
LIKE
NOT LIKE
STRCMP()

Regular Expressions
NOT REGEXP
REGEXP
RLIKE

String Functions
ASCII()
BIN()
BIT_LENGTH()
CHAR_LENGTH()
CHAR()
CHARACTER_LENGTH()
CONCAT_WS()
CONCAT()
ELT()
EXPORT_SET()
FIELD()
FIND_IN_SET()
FORMAT()
HEX()
INSERT()
INSTR()
LCASE()
LEFT()
LENGTH()
LIKE
LOAD_FILE()
LOCATE()
LOWER()
LPAD()
LTRIM()
MAKE_SET()
MATCH
MID()
NOT LIKE
NOT REGEXP
OCTET_LENGTH()
ORD()
POSITION()
QUOTE()
REGEXP
REPEAT()
REPLACE()

Numeric

Arithmetic Operators
DIV
/
% or MOD
+
*
-

Mathematical Functions
ABS()
ACOS()
ASIN()
ATAN2(), ATAN()
ATAN()
CEIL()
CEILING()
CONV()

Date

Date and Time
ADDDATE()
ADDTIME()
CONVERT_TZ()
CURDATE()
CURRENT_DATE(), CURRENT_

REVERSE()
RIGHT()
RLIKE
RPAD()
RTRIM()
SOUNDEX()
SOUNDS LIKE
SPACE()
STRCMP()
SUBSTR()
SUBSTRING_INDEX()
SUBSTRING()
TRIM()
UCASE()
UNHEX()
UPPER()

Group

GROUP BY Functions
AVG()
BIT_AND()
BIT_OR()
BIT_XOR()
COUNT(DISTINCT)
COUNT()
GROUP_CONCAT()
MAX()
MIN()
STD()
STDDEV_POP()
STDDEV_SAMP()
STDDEV()
SUM()
VAR_POP()
VAR_SAMP()
VARIANCE()

Encrypt

Encryption and Compression
AES_DECRYPT()
AES_ENCRYPT()
COMPRESS()
DECODE()
DES_DECRYPT()
DES_ENCRYPT()
ENCODE()
ENCRYPT()
MD5()
OLD_PASSWORD()
PASSWORD()
SHA1(), SHA()
SHA2()
UNCOMPRESS()
UNCOMPRESSED_LENGTH()

DATE
CURRENT_TIME(), CURRENT_TIME
CURRENT_TIMESTAMP(), CURRENT_TIMESTAMP
CURTIME()
DATE_ADD()
DATE_FORMAT()
DATE_SUB()
DATE()
DATEDIFF()
DAY()
DAYNAME()
DAYOFMONTH()
DAYOFWEEK()
DAYOFYEAR()
EXTRACT()
FROM_DAYS()
FROM_UNIXTIME()
GET_FORMAT()
HOUR()
LAST_DAY
LOCALTIME(), LOCALTIME
LOCALTIMESTAMP, LOCALTIMESTAMP()
MAKEDATE()
MAKETIME
MICROSECOND()
MINUTE()
MONTH()
MONTHNAME()
NOW()
PERIOD_ADD()
PERIOD_DIFF()
QUARTER()
SEC_TO_TIME()
SECOND()
STR_TO_DATE()
SUBDATE()
SUBTIME()
SYSDATE()
TIME_FORMAT()
TIME_TO_SEC()
TIME()
TIMEDIFF()
TIMESTAMP()
TIMESTAMPADD()
TIMESTAMPDIFF()
TO_DAYS()
TO_SECONDS()
UNIX_TIMESTAMP()
UTC_DATE()
UTC_TIME()
UTC_TIMESTAMP()
WEEK()
WEEKDAY()
WEEKOFYEAR()
YEAR()
YEARWEEK()

Samples

Select Queires
Returns all columns
*SELECT * FROM table*
Returns all columns
*SELECT * FROM table1, table2, ...*
Returns specific column
SELECT field1, field2, ... FROM table1, table2, ...
Returns rows that match co

COS()
COT()
CRC32()
DEGREES()
EXP()
FLOOR()
LN()
LOG10()
LOG2()
LOG()
MOD()
OCT()
PI()
POW()
POWER()
RADIANS()
RAND()
ROUND()
SIGN()
SIN()
SQRT()
TAN()
TRUNCATE()

Information

Information Functions
BENCHMARK()
CHARSET()
COERCIBILITY()
COLLATION()
CONNECTION_ID()
CURRENT_USER(), CURRENT_USER
DATABASE()
FOUND_ROWS()
LAST_INSERT_ID()
ROW_COUNT()
SCHEMA()
SESSION_USER()
SYSTEM_USER()
USER()
VERSION()

Miscellaneous

Miscellaneous Functions
DEFAULT()
GET_LOCK()
INET_ATON()
INET_NTOA()
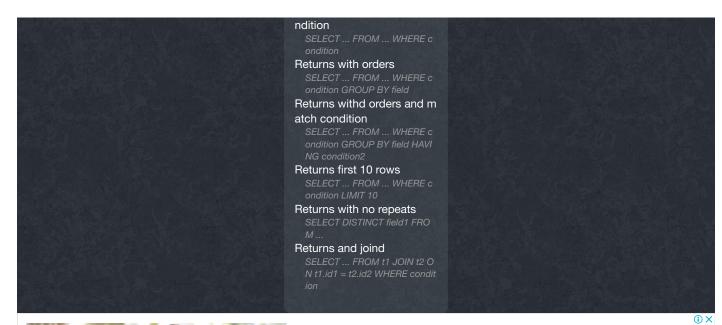IS_FREE_LOCK()
IS_USED_LOCK()
MASTER_POS_WAIT()
NAME_CONST()
RAND()
RELEASE_LOCK()
SLEEP()
UUID_SHORT()
UUID()
VALUES()

ndition
SELECT ... FROM ... WHERE condition

Returns with orders
SELECT ... FROM ... WHERE condition GROUP BY field

Returns withd orders and match condition
SELECT ... FROM ... WHERE condition GROUP BY field HAVING condition2

Returns first 10 rows
SELECT ... FROM ... WHERE condition LIMIT 10

Returns with no repeats
SELECT DISTINCT field1 FROM ...

Returns and joind
SELECT ... FROM t1 JOIN t2 ON t1.id1 = t2.id2 WHERE condition