

Mathematical

- ABS
- SIGN
- MOD
- FLOOR
- CEILING
- ROUND
- DIV
- EXP
- LN
- LOG, LOG2, LOG10
- POW
- POWER
- SQRT
- PI
- COS
- SIN
- TAN
- ACOS
- ASIN
- ATAN, ATAN2
- COT
- RAND
- LEAST
- GREATEST
- DEGREES
- RADIANS
- TRUNCATE

- Date and Time**
- DAYOFWEEK
- WEEKDAY
- DAYOFMONTH
- DAYOFYEAR
- MONTH
- DAYNAME
- MONTHNAME
- QUARTER
- WEEK
- YEAR
- YEARWEEK
- HOUR
- MINUTE
- SECOND
- PERIOD_ADD
- PERIOD_DIFF
- DATE_ADD
- DATE_SUB
- ADDDATE
- SUBDATE
- EXTRACT
- TO_DAYS
- FROM_DAYS
- DATE_FORMAT
- TIME_FORMAT
- CURRENT_DATE
- CURRENT_TIME
- NOW
- SYSDATE
- UNIX_TIMESTAMP
- FROM_UNIXTIME
- SEC_TO_TIME
- TIME_TO_SEC

- Group**
- COUNT
- AVG
- MIN
- MAX
- SUM
- GROUP_CONCAT
- VARIANCE
- STD
- STDDEV
- BIT_OR
- BIT_AND



Control Flow

- IFNULL
- NULLIF
- IF

- String**
- ASCII
- ORD
- CONV
- BIN, OCT, HEX
- CHAR
- CONCAT
- CONCAT_WS
- LENGTH
- CHAR_LENGTH
- BIT_LENGTH
- LOCATE
- INSTR
- LPAD
- RPAD
- LEFT
- RIGHT
- SUBSTRING
- MID
- SUBSTRING_INDEX
- LTRIM
- RTRIM
- TRIM
- SOUNDEX
- SPACE
- REPLACE
- REPEAT
- REVERSE
- INSERT
- ELT
- FIELD
- LCASE
- UCASE
- LOAD_FILE
- QUOTE

- Comparison**
- STRCMP

- Cast**
- CAST
- CONVERT

- Other**
- BIT_COUNT
- DATABASE
- USER
- SYSTEM_USER
- SESSION_USER
- CURRENT_USER
- PASSWORD
- OLD_PASSWORD
- ENCRYPT
- DECODE
- MD5
- SHA1
- AES_ENCRYPT
- AES_DECRYPT
- DES_ENCRYPT
- DES_DECRYPT
- LAST_INSERT_ID
- FORMAT
- VERSION
- CONNECTION_ID
- GET_LOCK
- RELEASE_LOCK
- IS_FREE_LOCK
- BENCHMARK
- INET_NTOA
- INET_ATON
- FOUND_ROWS

DATA TYPES	MYSQL FUNCTIONS IN PHP
CHAR String, length 0 - 255	mysql_affected_rows
VARCHAR String, length 0 - 255	mysql_close
TINYTEXT String, length 0 - 255	mysql_connect
TEXT String, length 0 - 65535	mysql_data_seek
BLOB String, length 0 - 65535	mysql_db_name
MEDIUMTEXT String, length 0 - 16777215	mysql_errno
MEDIUMBLOB String, length 0 - 16777215	mysql_error
LONGTEXT String, length 0 - 4294967295	mysql_fetch_array
LOBLOB String, length 0 - 4294967295	mysql_fetch_assoc
* TINYINT Integer, -128 to 127	mysql_fetch_field
* SMALLINT Integer, -32768 to 32767	mysql_fetch_lengths
* MEDIUMINT Integer, -8388608 to 8388607	mysql_fetch_object
* INT Integer, -2147483648 to 2147483647	mysql_fetch_row
* BIGINT Int, -9223372036854775808 to 9223372036854775807	mysql_field_flags
FLOAT Decimal (precise to 23 digits)	mysql_field_len
DOUBLE Decimal (24 to 53 digits)	mysql_field_name
DECIMAL "DOUBLE" stored as string	mysql_field_seek
DATE YYYY-MM-DD	mysql_field_table
DATETIME YYYY-MM-DD HH:MM:SS	mysql_field_type
TIMESTAMP YYYYMMDDHHMMSS	mysql_free_result
TIME HH:MM:SS	mysql_insert_id
ENUM One of preset options	mysql_list_dbs
SET Selection of preset options	mysql_list_processes
	mysql_list_tables
	mysql_num_fields
	mysql_num_rows
	mysql_pconnect
	mysql_query
	mysql_real_escape_string
	mysql_select_db

SAMPLE SELECT QUERIES	
SELECT * FROM tablename	# Returns all columns
SELECT column FROM tablename	# Returns specific column
SELECT COUNT(*) FROM tablename	# Returns number of rows
SELECT SUM(column) FROM tablename	# Returns sum of column
SELECT DISTINCT column FROM tablename	# Returns unique values of column
SELECT * FROM tablename WHERE condition	# Returns rows that match condition
SELECT * FROM tablename WHERE BINARY condition	# Condition is case-sensitive
SELECT * FROM table1 INNER JOIN table2 on table1.id = table2.id	# Join two tables, return all columns
SELECT table1.* FROM table1 INNER JOIN table2 on table1.id = table2.id	# Only return columns from table1
SELECT LAST_INSERT_ID() as new_id	# Returns ID of last created row
SELECT max(column) AS alias	# Return maximum value in column as "alias"
SELECT * FROM table ORDER BY column	# Return all rows ordering by column
SELECT * FROM table LIMIT 10, 20	# Return first 20 rows after row 10