

Date

CurTime()
 Date_Add()
 Date_Format()
 AddDate()
 AddTime()
 Convert_TZ()
 CurDate()
 Current_Date(), Current_Date
 Current_Time(), Current Time
 Current_TimeStamp(), Current_TimeStamp

Date and Time

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()

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 | String [0-16777215]
 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 [-9223-372-036-854-775-808 to 922337-203-685-477-5807]
 Float | Decimal [precise to 23 digits]
 Double | Decimal [24 to 53 digits]
 Decimal | "DOU-BLE" stored as a string
 Date | YYYY-MM-DD HH:MM:SS
 TimeStamp | YYYYMM-DDH-HMMSS
 Time | HH:MM:SS
 Enum | One of the preset options
 Set | Selection of preset options

Operators

Comparison Operators

Between ...And..., -, % or MOD
Binary, **Not Between ...And...**
 &, ~, |, ^, **Case**, !=, <>, **Not Like**,
DIV, /, <= >, =, **Not RegEXP**, +,
 >=, >, **Is Not Null**, **RegExp**, >>, **RLike**,
Is Not, **Is Null**, **Is**, **Sounds Like**, *, -
 <<, <=, <, **Like**

Assignment Operators

=, :=

Logical Operators

AND &&, **NOT** !
 || **OR**, **XOR**

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()

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()

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()

Numeric

Arithmetic Operators

DIV, /, -, % or MOD, +, *, -

Mathematical Functions

ABS(), ACOS(), ASIN(), ATAN2(), ATAN(), CEIL(),
 CEILING(), CONV(), COS(), COT(), CRC32(), DEGREES(),
 EXP(), FLOOR(), LN(), LOG10(), LOG2(), LOG(), MOD(),
 OCT(), PI(), POW(), POWER(), RADIANS(), RAND(),
 ROUND(), SIGN(), SIN(), SQRT(), TAN(), TRUNCATE()

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()

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

Samples

Select Queries

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 condition [SELECT ... FROM ... WHERE condition]
 Returns with orders [SELECT ... FROM ... WHERE ... condition GROUP BY field]
 Returns with 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 joins [SELECT ... FROM t1 JOIN t2 ON t1.id1 = t2.id2 WHERE condition]