

## Numeric

BIT (n)	Bit-value type. Parameter “n” indicates the number of bits per value, from 1 to 64. Default 1.
TINYINT (n) [UNSIGNED]	A very small integer. Can be signed or unsigned. Signed: -128 to 127, Unsigned: 0 to 255.
SMALLINT (n) [UNSIGNED]	A small integer. Can be signed or unsigned. Signed: -32,768 to 32,767, Unsigned: 0 to 65,535
MEDIUMINT (n) [UNSIGNED]	A medium-sized integer. Can be signed or unsigned. Signed: -8,388,608 to 8,388,607,Unsigned: 0 to 16,777,215
INT (n) [UNSIGNED]	A normal-sized integer. Can be signed or unsigned. Signed: -2,147,483,648 to 2,147,483,647,Unsigned: 0 to 4,294,967,295
INTEGER (n) [UNSIGNED]	A synonym for INT. Can be signed or unsigned. Signed: -2,147,483,648 to 2,147,483,647, Unsigned: 0 to 4,294,967,295
BIGINT (n) [UNSIGNED]	A large integer. Can be signed or unsigned. Signed: -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807 Unsigned: 0 to 18,446,744,073,709,551,615
DECIMAL (n [, d]) [UNSIGNED]	A number with decimal places. Parameter “n” is the precision or number of digits, and “d” is the number of digits after the decimal point (the scale). Maximum for n is 65 and maximum for d is 30. (Note the UNSIGNED parameter is deprecated)
DEC (n [,d])	Synonym for DECIMAL
NUMERIC (n [,d])	Synonym for DECIMAL
FIXED (n [,d])	Synonym for DECIMAL
FLOAT (n [,d])	A small single-precision floating-point number. Uses parameters of “n” for number of digits and “d” for number of digits after the decimal place. Note: the parameters of FLOAT are deprecated as of v8.0.17 Range: -3.402823466E+38 to -1.175494351E-38, 0, and 1.175494351E-38 to 3.402823466E+38
DOUBLE (n [,d])	A normal-sized double-precision floating-point number. Uses parameters of “n” for number of digits and “d” for number of digits after the decimal place. Note: the parameters of FLOAT are deprecated as of v8.0.17 Range: -1.7976931348623157E+308 to -2.2250738585072014E-308, 0, and 2.2250738585072014E-308 to 1.7976931348623157E+308
DOUBLE PRECISION	Synonym for DOUBLE
REAL	Synonym for DOUBLE

## Date

DATE	A date value (no time). Range 1000-01-01 to 9999-12-31
DATETIME (fsp)	A date and time value. The parameter “fsp” is fractional seconds precision or the number of fractional seconds that can be stored. Range: 1000-01-01 00:00:00.000000 to 9999-12-31 23:59:59.999999
TIMESTAMP (fsp)	A timestamp value, stores date and time. Has a smaller range than DATETIME. The parameter “fsp” is fractional seconds precision or the number of fractional seconds that can be stored. Range: 1970-01-01 00:00:01.000000 UTC to 2038-01-19 03:14:07.999999
TIME (fsp)	A time value. The parameter “fsp” is fractional seconds precision or the number of fractional seconds that can be stored Range: -838:59:59.000000 to 838:59:59.000000
YEAR	A year in a 4-digit format. Range: 1901 to 2155

## Character

CHAR (n)	A fixed-length string. Right-padded with spaces up to the specified length of “n”. Up to 255 bytes.
VARCHAR (n)	A variable-length string. The length parameter of “n” can be from 0 to 65,535. Up to 65,535 bytes.
BINARY (n)	Similar to CHAR but stores binary byte strings rather than nonbinary strings. Parameter “n” is the number of bytes.
VARBINARY (n)	Similar to VARCHAR but stores binary byte strings rather than nonbinary strings. Parameter “n” is the number of bytes.
BLOB (n)	A BLOB column that can store a value up to “n” bytes. Up to 65,535 bytes.
TINYBLOB	A BLOB column with a smaller maximum length, up to 255 bytes.
TEXT (n)	A text column, and parameter “n” is the maximum number of bytes. Up to 65,535 bytes bytes.
TINYTEXT	A text column with a smaller maximum length, up to 255 bytes.
MEDIUMBLOB	A BLOB with a higher maximum length than BLOB. Up to 16,777,215 (2^24 – 1) bytes
MEDIUMTEXT	A text column with a higher maximum length than TEXT. Up to 16,777,215 (2^24 – 1) bytes
LOBLOB	A BLOB column with a high maximum length. Up to 4,294,967,295 or 4GB (2^32 – 1) bytes
LONGTEXT	A text column with a high maximum length. Up to 4,294,967,295 or 4GB (2^32 – 1) bytes
ENUM (value_list)	A string object that can have only one value from the list of values specified, or NULL. Can have up to 65,535 items in its list.
SET (value_list)	A string object that can have zero or more values from the list of values specified. Can have up to 64 items in its list.
JSON	Stores JSON Data

## Other

GEOMETRY	Stores geometry values of any type
POINT	Stores a point in geometry
LINESTRING	Stores a line shape
POLYGON	Stores a polygon shape
MULTIPOINT	Stores a collection of points
MULTILINESTRING	Stores a collection of lines
MULTIPOLYGON	Stores a collection of polygons
GEOMETRYCOLLECTION	Store a collection of geometry objects
BOOL	Synonym for TINYINT(1). Zero is false, nonzero values are true.
BOOLEAN	Synonym for TINYINT(1). Zero is false, nonzero values are true.