

- String Types
- Numeric Types
- Date and Time Types
- Blob Types
- Spatial Types

STRINGS

- CHAR(x) fixed-length
 - VARCHAR(x) max: 65,535 characters (~64KB)
 - MEDIUMTEXT max: 16MB
 - LONGTEXT max: 4GB
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- TINYTEXT max: 255 bytes
 - TEXT max: 64KB

BYTES

- 1

English
- 2

European
Middle-eastern
- 3

Asian

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Pause

INTEGERS

TINYINT	1b	$[-128, 127]$
UNSIGNED TINYINT		$[0, 255]$
SMALLINT	2b	$[-32K, 32K]$
MEDIUMINT	3b	$[-8M, 8M]$
INT	4b	$[-2B, 2B]$
BIGINT	8b	$[-9Z, 9Z]$

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RATIONALS

DECIMAL(p, s) DECIMAL(9, 2) => 1234567.89

DEC

NUMERIC

FIXED

FLOAT 4b

DOUBLE 8b

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BOOLEANS

BOOL

BOOLEAN

UPDATE posts

SET is_published = 1 # or FALSE

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Play

DATE/TIME

DATE

TIME

DATETIME 8b

TIMESTAMP 4b (up to 2038)

YEAR

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Pause

BLOBS

TINYBLOB	255b
BLOB	65KB
MEDIUMBLOB	16MB
LOB	4GB

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PROBLEMS WITH STORING FILES IN A DATABASE

Increased database size

Slower backups

Performance problems

More code to read/write images

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