

Lab Experiment -2

MySQL

Data Types

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Integer Types (Exact Value)

Type	Storage (Bytes)	Minimum Value Signed	Minimum Value Unsigned	Maximum Value Signed	Maximum Value Unsigned
TINYINT	1	-128	0	127	255
SMALLINT	2	-32768	0	32767	65535
MEDIUMINT	3	-8388608	0	8388607	16777215
INT	4	-2147483648	0	2147483647	4294967295
BIGINT	8	-2^{63}	0	$2^{63}-1$	$2^{64}-1$

Fixed-Point Types (Exact Value) -

- DECIMAL
- NUMERIC

Floating-Point Types (Approximate Value)

- FLOAT
- DOUBLE

Bit-Value Type -

- BIT

Date and Time Data Type

Data Type	"Zero" Value
<u>DATE</u>	'0000-00-00'
<u>TIME</u>	'00:00:00'
<u>DATETIME</u>	'0000-00-00 00:00:00'
<u>TIMESTAMP</u>	'0000-00-00 00:00:00'
<u>YEAR</u>	0000

String Data Type Syntax

CHAR,
VARCHAR,
BINARY,
VARBINARY,
BLOB,
TEXT,
ENUM,
SET