

Data types cont'd

Numeric Data Types

Data type syntax	Maximum size
bit	very small integer value that is equivalent to tinyint(1). signed values range from -128 to 127. unsigned values range from 0 to 255.
tinyint(m)	very small integer value. signed values range from -128 to 127. unsigned values range from 0 to 255.
smallint(m)	small integer value. signed values range from -32768 to 32767. unsigned values range from 0 to 65535.
mediumint(m)	medium integer value. signed values range from -8388608 to 8388607. unsigned values range from 0 to 16777215.
int(m)	standard integer value. signed values range from -2147483648 to 2147483647. unsigned values range from 0 to 4294967295.
integer(m)	standard integer value. signed values range from -2147483648 to 2147483647. unsigned values range from 0 to 4294967295.
bigint(m)	big integer value. signed values range from -9223372036854775808 to

	9223372036854775807. unsigned values range from 0 to 18446744073709551615.
decimal(m,d)	unpacked fixed point number. m defaults to 10, if not specified.d defaults to 0, if not specified.
dec(m,d)	unpacked fixed point number. m defaults to 10, if not specified. d defaults to 0, if not specified.
numeric(m,d)	unpacked fixed-point number. m defaults to 10, if not specified.d defaults to 0, if not specified.
fixed(m,d)	unpacked fixed-point number. m defaults to 10, if not specified. d defaults to 0, if not specified.
float(m,d)	single precision floating point number.
double(m,d)	double precision floating point number.
double precision(m,d)	double precision floating point number.
real(m,d)	double precision floating point number.
float(p)	floating point number.
bool	synonym for tinyint(1)
boolean	synonym for tinyint(1)

Large Object (LOB) Datatypes

data type syntax	maximum size
tinyblob	maximum size of 255 bytes.
blob(size)	maximum size of 65,535 bytes.
mediumblob	maximum size of 16,777,215 bytes.
longtext	maximum size of 4gb or 4,294,967,295 characters.

Assignment

- 1.Explain numeric data types
- 2.Explain large object data types