Data types

Each database table has many columns and contains specific data types for each column.

SIGNED can store zero , positive and negative numbers in a column .

UNSIGNED can store zero , positive numbers in a column . if the values in the column never use negative numbers we can opt for it .

The maximum value of SIGNED numbers is half that of UNSIGNED numbers

Numeric Data Types

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| --- | --- |
| Data Type | Description |
| TINYINT | It can be signed (or) unsigned , signed range is from -128 to +128 and unsigned range is from 0 to 255. We can specify a width of upto 4 digits. It takes 1 byte for storage. |
| SMALLINT | It can be signed (or) unsigned , signed range is from -32768 to +32767 and unsigned range is from 0 to 65535, we can specify a width of upto 5 digits.  It takes 2 bytes for storage. |
| MEDIUMINT | It can be signed (or) unsigned , signed range is from -8388608 to 8388607 and unsigned range is from 16777215 . we can specify upto 9 digits . It takes 3 bytes of storage. |
| INT | It can be signed (or) unsigned , signed range is from -2147483648 to 2147483647 and unsigned range is from 0 to 4294967295. We can specify upto 9 digits . it takes 4 bytes of storage. |
| BIGINT | It can be signed or unsigned , signed range is from |
| FLOAT |  |
| DOUBLE |  |
| DECIMAL |  |
| BIT |  |
| BOOL |  |
| BOOLEAN |  |