Storage Size for Data Types

• Each data type has its own storage size per value

Table 8.2. Numeric Types

| Name | Storage Size | Description | Range |
|---------------------|-----------------|---------------------------------|--|
| smallint | 2 bytes | small-range integer | -32768 to +32767 |
| integer | 4 bytes | typical choice for integer | -2147483648 to +2147483647 |
| bigint | 8 bytes | large-range integer | -9223372036854775808 to +9223372036854775807 |
| decimal | variable | user-specified precision, exact | up to 131072 digits before the decimal point; up to 16383 digits after the decimal point |
| numeric | variable | user-specified precision, exact | up to 131072 digits before the decimal point; up to 16383 digits after the decimal point |
| real | 4 bytes | variable-precision, inexact | 6 decimal digits precision |
| double precision | 8 bytes | variable-precision, inexact | 15 decimal digits precision |
| smallserial | 2 bytes | small autoincrementing integer | 1 to 32767 |
| serial | 4 bytes | autoincrementing integer | 1 to 2147483647 |
| bigserial | 8 bytes | large autoincrementing integer | 1 to 9223372036854775807 |

https://www.postgresql.org/docs/12/datatype-numeric.html