

The rules to satisfy 1<sup>st</sup> normal form are:

- That the data is in a [database table](#). The table stores information in rows and columns where one or more columns, called the primary key, uniquely identify each row.
- Each column contains atomic values, and there are not repeating groups of columns.

A table is in 2<sup>nd</sup> Normal Form if:

- The table is in 1<sup>st</sup> normal form, and
- All the non-key columns are dependent on the table's primary key.

A table is in third normal form if:

- A table is in 2nd normal form.
- It contains only columns that are non-transitively dependent on the primary key