**First Normal Form**

A table is supposed to be in first normal form if,

* All the attributes are single-valued (atomic).
* All the columns have unique names.
* The order in which data is stored does not matter.

**Second Normal Form**

A table is supposed to be in second normal form if,

* It is in the 1st normal form.
* It does not have any partial dependency

**Third Normal Form**

A table is supposed to be in third normal form if,

* It satisfies 2nd normal form.
* It does not have any transitive dependency.

A diagram of a diagram

Description automatically generated

The abbreviations used in Figure 12.1 are as follows:

* PD: partial dependency
* TD:  transitive dependency
* FD:  full dependency (Note: FD typically stands for **functional** dependency.)