Normalisation is used for breaking down tables to remove redundant data. Normalisation is a multi-step process that puts data into tabular form by removing duplicated data from the relational tables.

First normal form:

* Eliminate repeating groups in individual tables.
* Create a separate table for each set of related data.
* Identify each set of related data with a primary key
  1. Bring to 1st normal form – remove repeating groups.
  2. Bring to 2nd normal form – remove partial dependencies.
  3. Bring to 3rd normal form – remove transitive dependencies.

Third normal form (3NF) is the third step in normalizing a database and it builds on the first and second normal forms, 1NF and 2NF.  
  
3NF states that all column reference in referenced data that are not dependent on the primary key should be removed. Another way of putting this is that only foreign key columns should be used to reference another table, and no other columns from the parent table should exist in the referenced table.