Normalization is the process of organizing data in a data base to reduce redundancy and improve data integrity.

INF (First Normal form)

- Data must be atomic nature.

- Each column should have only single value.

2NF (second Normal form)

- Must be in 1 NF

- No partial dependency (non-key columns must depend on the whole primary key).

3NF (Third Normal form)

- Must be in 2NF.

- No transitive dependency (non-key columns

Should not depend on other non-key columns).

BCNF (Boyce - Codd Normal form)

- Must be in 3NF.
- Every determinant must be a Candidate Key.

4NF (fourth Normal form)

- Must be in BCNF.
- No Multi-valued dependencies (no multiple indepen sets of data in one table).

5NF (fifth Normal form)

- Must be in 4NF.
- No join dependency that cannot be expressed using candidate keys.