

## GATE NOTES

### Normal Forms in DBMS

#### Steps to find Normal Forms-

1. Find Candidates key
2. Find Prime attributes and Non prime attributes
3. Check for Normal Forms, from starting from 1NF to higher order.

*1NF*- Relational DBMS does not allow multi-valued or composite attribute.

*2NF*- Relational DBMS does not allow partial dependency.

*3NF*- Either LHS of an FD should be super key or RHS should be prime attribute.

**Partial Dependency** - Partial dependency means that a non-prime attribute is functionally dependent on part of a candidate key.

**Prime attribute** - All candidate keys.

**Non prime attribute** - All non candidate keys.

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