

Ans to the Q no 10

3-types of Normalizations are 1nf, 2nf, 3nf.

In 1nf, data items for any table must be defined, there should not be any repeating data and there should be a primary key. In department table, there is no repeating data and the ~~d~~ Department-id is the primary key.

In 2nf there should not be any partial dependency of primary key along with 1nf rules. In department table, Here dept.name is not dependent on dept.id, which is true for other columns too. So its already in 2nf form.

In 3nf form all non-primary fields are dependent on primary key. Here dept-id is the primary key. and non-primary key are dependent. So its already in 3nf form.