

(1)

First Normal Form (1NF)

'Department' table is ~~in 1NF~~ not in 1NF, because there is repeating group 'Location Id' column.

First Normal form;

A table is in 1NF if -

1. There is atomic value in every row
2. There is no repeating group.
3. there is a primary key.

'Department' table is not in 1NF because there is repeating group 'Location ID' column.

Second Normal Form;

A table is in 2NF if -

1. it is in 1NF.
2. No partial dependency.

'Department' table is ~~in 2NF~~ because should be

Third Normal Form;

A table is in 3NF if

1. it is in 2NF
2. It has no transitive dependency.