Quiz-4

Database normalization helps to organize data efficiently and helps to eliminate redundant data.

There are 3 types of Normalization.

They are- 1 NF, 2 NF and 3 NF.,

In department table, there are four field. Department-id, Department-name, Manager-id, Location-id. Here, the table departments is in Normalised form. In 1-NF we know, there must be a primary key which the fields must contain atomicity. Here, we see that the department table has department id → as primary key and this table has no duplicate, multiple value. So, it in 1-NF form. Also, & this table has no partial dependency. Cause, Department name only depends on department id and nothing else. Here, the manager id and Location id exist because of the relation of department

table with other two tables namely — Emp table and Employees and location. Also, this table is in 3NF form, cause there is no transitive dependency in this table. This table fullfills true condition of 3NF. So, the table is in 3NF form. & Thus, department table is in all As, it is in 3NF form it already is in 1NF and 2NF form and it has no partial and transitive dependency.