Type - 3 Normallization:

There are three types of anomalies that occur when the database is not normalized. These are -

update anomalys, Insert anomaly and delete anomaly.

* For 2nd normal from (3NF) → table must be in 2NF (and for 2NF that must * be in 1NF)

* There shouldn't be any transitive functional dependency.

transitive dependency is → some attribute dependent of some any on some non prime attribute.

3NF for department table →

in department table prime attribute
is Department_id : and locatio_id is
foreign key and

Here →

Department_ID → Department_Name
Department_ID → D.Manager - ID.

No transitive dependency. So, the
the department table is already in

3NF.

Note:

department table is already in
1NF - (there is no multivalued
attribute)

department table is already
in 2NF (No partial dependency)