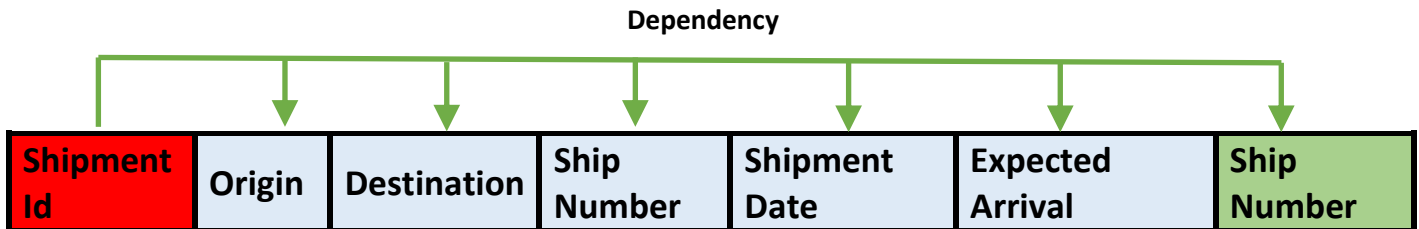


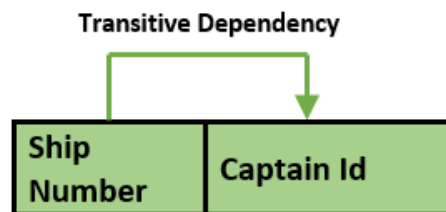
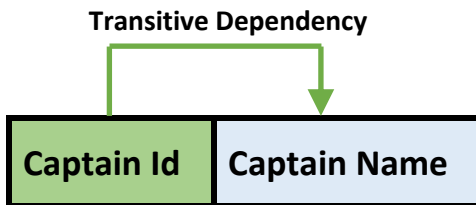
Problem 2- Solution

a. Shipping Manifest:

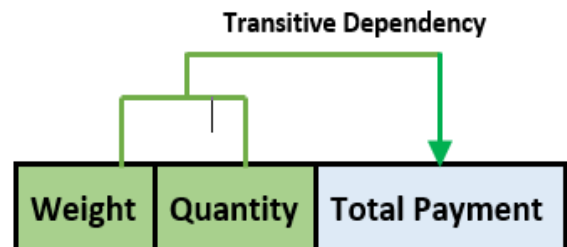
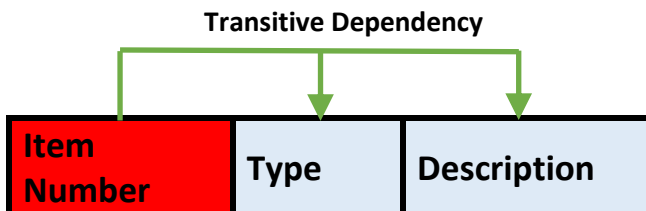
Dependencies in Provided table: Normalized in 3NF Form



Captain ID and Captain Name have Transitive dependency, Ship Number will be dependent on the captain id

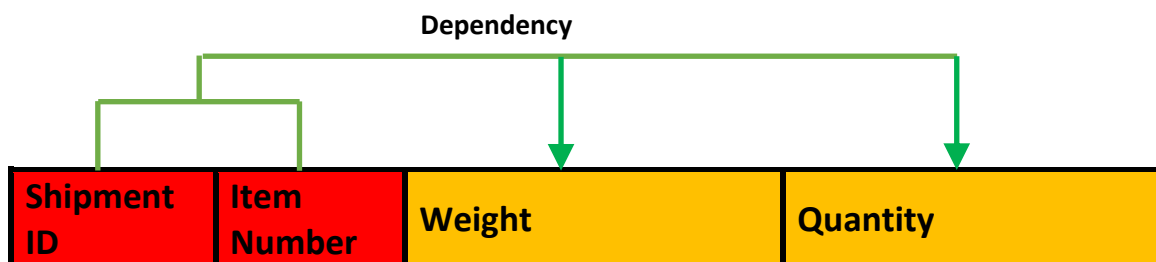


Item type and Item Description are transitively dependent on the Item Id



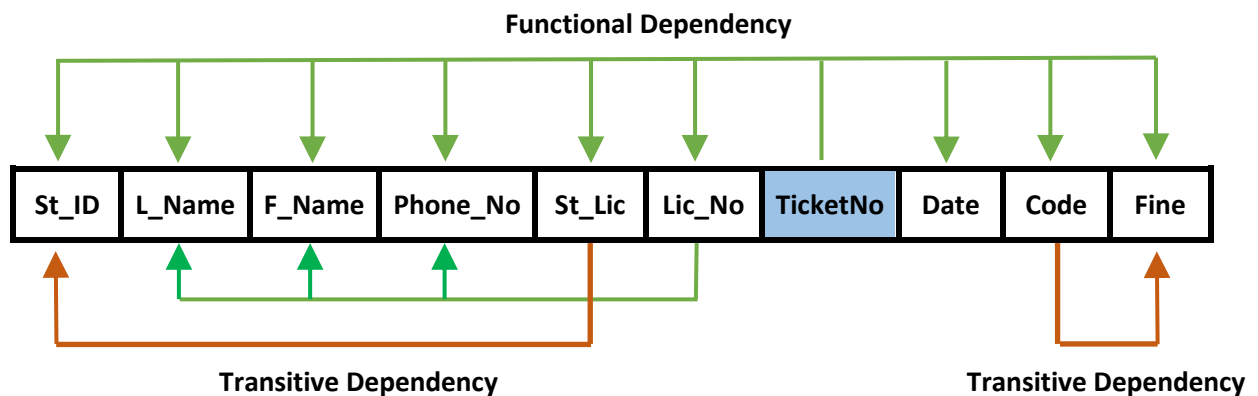
Total Payment is calculated as product of the Weight and the Quantity

So, another table, with shipment ID, Item Number with weight and Quantity would be available, as weight and quantity of item depends on item number and Shipment Id both, as another shipment can have different quantity of same Item Id.



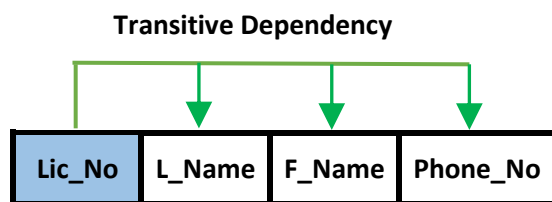
b. Parking Ticket:

Dependencies in provided table:

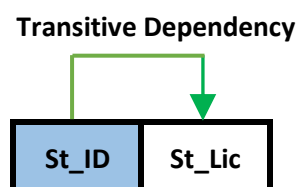


Tables in 3NF Form

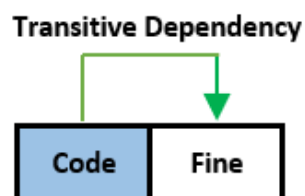
FirstName, last name and phone number is linked to license number.



Street license has dependency on Street Id



Similarly, each code is having separate fine value.



Each ticket will be issued on given date, with code for a particular license number on a street represented by street Id.

Normalized Form of Parking ticket table

