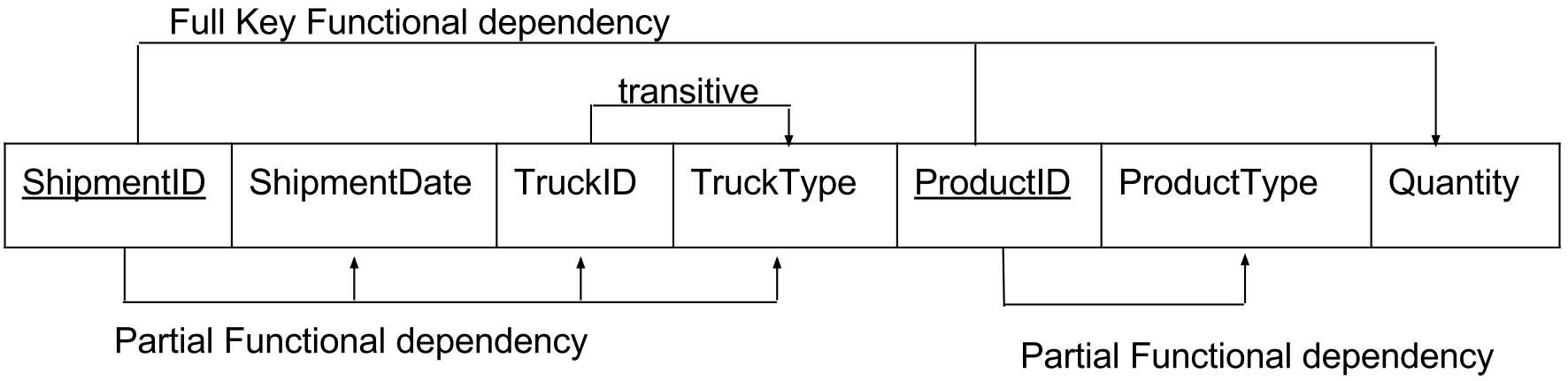

We to identify the three types of relationships.
Start with Full Key Functional dependency
-> look for underlined columns (these together are the primary key)
-> then we ask, is there any other column that depends completely on that entire primary key?
Then identify partial functional dependencies
-> columns that depend on part of the primary key
--> ProductID determines the ProductType
--> and ShimentID deterimes ShipmentDate, TruckID and TruckType
Last look for “ID” columns that aren’t part of the primary key
-> TruckID derterminesTruckType (this is a transitive relationship)

2nd normal form (this is optional)
(leave transitive in)

ShipmentID	ShipmentDate	TruckID	TruckType

ProductID	ProductType

ShipmentID	ProductID	Quantity

3rd normal form (end result of tables) (split out transitives)

ShipmentID	ShipmentDate	TruckID

ProductID	ProductType

ShipmentID	ProductID	Quantity

TruckID	TruckType