

# First Normal Form

Sales Order

<u>Sales Order Number</u>	Sales Order Date	Customer Name	Customer Number	Customer City	ZIP	Customer Street Number	Customer Name
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Item Order

<u>Sales Order Number</u>	<u>Item Order</u>	Description	Quantity	Unit Price	Total
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- Store all Multi Values in new table + foreign key of [Base Table]

## Second Normal Form

### Sales Order

<u>Sales Order Number</u>	Sales Order Date	Customer Name	Customer Number	Customer Street Number	Customer City	ZIP	Clerk Name
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### Item Order

<u>Sales Order Number</u>	<u>Item Order</u>	Quantity	Total
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### Item Schema

<u>Item Order</u>	Description	Unit Price
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- In All Schemas apply in Second Normal Form
- No Multivalued
- No Partial Dependency [All in Functional Dependency]

## Third Normal Form

- Customer name , Customer Address → not depend on Sales Order Number [but dependent on Customer Number]
- Clerk Name → dependent on Clerk Number

### Sales Order

<u>Sales Order Number</u>	Sales Order Date	<u>Customer Number</u>	<u>Clerk Number</u>
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### Customer

Customer Name	<u>Customer Number</u>	Customer Street Number	<u>City</u>
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### Address

ZipNumber	City	<u>ID</u>
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### Clerk

Clerk Name	<u>Clerk Number</u>
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### Item Order

<u>Sales Order Number</u>	<u>Item Order</u>	Quantity	Total
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### Item Schema

<u>Item Order</u>	Description	Unit Price
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