

### Normalization:

Farmer supplies Product:

(Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1, Product ID, Product Name, Price, Production date, Expire date)

1NF:

Farmer\_phone No is multivalued attribute.

2NF:

1. Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1.
2. Product ID, Product Name, Price, Production date, Expire date.

3NF:

There is no transitive dependency.

3. Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1.
4. Product ID, Product Name, Price, Production date, Expire date.

Product taken by Store:

(Product ID, Product Name, Price, Production date, Expire date, Store id, Store Name, Store Location, Store\_Phone No.)

1NF:

Store\_phone No is multivalued attribute.

2NF:

1. Product ID, Product Name, Price, Production date, Expire date
2. Store id, Store Name, Store Location, Store\_Phone No.

3NF:

There is no transitive dependency

3. Product ID, Product Name, Price, Production date, Expire date
4. Store id, Store Name, Store Location, Store\_Phone No.

Visitor enquire farmer:

(Visitor ID, Visitor name, Visitor Email, Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1)

1NF:

Visitor Email and Farmer\_Phone No are multivalued attributes.

2NF:

1. Visitor ID, Visitor name, Visitor Email.

2. Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1.

3NF:

There is no transitive dependency

3. Visitor ID, Visitor name, Visitor Email.

4. Farmer id, Farmer\_name, Farmer\_Phone No, City, Home no1.

Store sells to Customer:

(Store id, Store Name, Store Location, Store\_Phone No, Cus\_ID, Cus\_Name, Cus\_Phone No)

1NF:

Store\_Phone No is multivalued attribute.

2NF:

1. Store id, Store Name, Store Location, Store\_Phone No.

2. Cus\_ID, Cus\_Name, Cus\_Phone No.

3NF:

There is no transitive dependency

3. Store id, Store Name, Store Location, Store\_Phone No.

4. Cus\_ID, Cus\_Name, Cus\_Phone No.

## Final Table:

- **Farmer Table:** Farmer Id, Farmer\_name, Farmer\_Phone No1, Farmer\_Phone No2, City, Home no1.
- **Product Table:** Product ID, Product Name, Price, Production date, Expire date, Farmer ID.
- **Store Table:** Store Id, Store Name, Store Location, Store\_Phone No1, Store\_Phone No2, Product ID.
- **Visitor table:** Visitor ID, Visitor name, Visitor Email1, Visitor Email2, Farmer ID.
- **Customer Table:** Cus\_ID, Cus\_Name, Cus\_Phone No, Store ID.

