

## **Task 1:- Understanding the Data**

### **Q1. Describe the data in hand in your own words.**

**Ans:-** We will going to work on Superstore data. In this dataset five tables are present. Each and every table give us different type of information like customer name, product name, shipping date etc. We will discuss each table one by one. First table are all about name of customer, area belong which part of administrative division, customer segment like small business or office etc., and customer id. Second table give us information about sales, discount, profit, order quantity, cost of shipping. Order Id, Priority of customer and order date, these types of information belong to third table. Product Category, product id and product sub category come under forth table. Fifth table give us information about shipping id, shipping date and shipping mode.

### **Q2. Identify and list the Primary Keys and Foreign Keys for this dataset provided to you(In case you don't find either primary or foreign key, then specially mention this in your answer)**

- i.* In cust\_dimen table cust\_id is primary key and there is no foreign key.
- ii.* In market\_fact table no primary key available and Cust\_id, Ship\_id, Prod\_id, Ord\_id are foreign keys.
- iii.* In Order\_dimen table Ord\_id is primary key and Order\_ID is foreign key.
- iv.* In Prod\_dimen table Prod\_id is primary key and no foreign key.
- v.* In shipping\_dimen table Ship\_id is primary key and Order\_ID is foreign key.