**Departmental Store -**

**Staff** -

The people contributing to the management of Departmental Store. Some have duties on counter to prepare bill and charge, some have duties to search and collect product based on customer requirement, some have duties to manage the godown where the stock is piled.

**Product** -

The entity that is sold, is identified by a brand name, manufacturer and falls under a category. It has a Cost Price (the price it was acquired upon) and Selling Price. Both cost price and selling price are subject to change.

**Product – Categories**

Dairy Products, Chocolates, Perishable Items, Cosmetics etc.

**Inventory** -

The qty. Of products in the stock

**Supplier** -

The person who provides goods on different dates based on a PO.

PO is a purchase order containing list of Products with Qty.

**Assignment 1** -

Create Tables and Relations between the tables. There should be one sql script, which should create a database with all the tables.

There should be ample Insert queries to fill the data with.

Record the assumptions that you have taken while creating the tables in the document.

**Assignment 2 -**

1. **Query Staff using name or phone number or both**
2. **Query Staff using their Role**
3. **Query Product based on -** 
   1. **Name**
   2. **Category**
   3. **InStock, OutOfStock**
   4. **SP less than, greater than or between**
4. **Number of Products out of stock**
5. **Number of Products within a category**
6. **Product-Categories listed in descending with highest number of products to the lowest number of products**
7. **List of Suppliers -** 
   1. **Name**
   2. **Phone**
   3. **Email**
   4. **City or State**
8. **List of Product with different suppliers, with the recent date of supply and the amount supplied on the most recent occasion. Here this can also be filtered based on -** 
   1. **Product Name**
   2. **Supplier Name**
   3. **Product Code**
   4. **Supplied after a particular date**
   5. **Supplied before a particular date**
   6. **Product has inventory more than or less than a given qty**