

## **Supermarket Sales – Generation of Bill**

### **1. OBJECTIVES:**

On completion of the case study the participant should be able to:

- Connectivity with Oracle database
- Apply Transaction management with database

### **2. PRE-REQUISITES**

- Database Programming- Oracle SQL, PL/SQL

### **3. SKILLS/CONCEPTS**

- Implementation and Integration skills to solve this case

### **4. DURATION IN HOURS**

- 3 HRS

### **5. SCENARIO**

ABC Super market has some stock of different products and sells them to various customers. You are requested to automate the Sales Process – Generation of Bill of sale. You need to automatically update stock also. Raise an exception if there is no sufficient stock.

- Identify the tables, attributes and define them with relations
- Write the DB script to maintain above process.
- Implement this in the form of Procedures and functions, and Triggers.

### **6. DELIVERABLES**

- a. Normalized Tables( up to 3NF)
- b. Table definitions with Relationships
- c. Applying Integrity constraints
- d. Defining the re-usable components
- e. Handling suitable exceptions
- f. Implement the solution with suitable Packages, Procedures, Functions, Cursors etc
- g. Implementing the Database triggers