

## **Loan**

### **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**

- XYZ Chit Fund Company sanctioning the loans to different customers. Maintain the loan details with loan holder id, loan holder name, loan amount, loan period, period type, repay date, interest rate and interest amount.
- Calculate simple interest. Calculate repay date and interest amount.
- 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