

Employee Payroll Systems

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

- Employees are drawing different salaries and working different departments. Maintain the salary details with BASIC, DA, HRA, GROSS, PF and NET.
- Identify the tables, attributes and define them with relations
- Write a package with procedures and functions to add a new employee in the department.
- Write a suitable trigger to calculate salary to be paid to employee when the employee works for less number of days when compared to actual number of working days in the month.

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