

# **C.B.PATEL COMPUTER COLLEGE & J.N.M.PATEL SCIENCE COLLEGE**

## **205-RDBMS PRACTICAL ASSIGNMENT**

Create the following tables and insert **minimum 5 records** in each.

- 1. DEPARTMENT(dept\_id, dept\_name, location)**
- 2. EMPLOYEE(emp\_id, emp\_name, salary, dept\_id)**
- 3. PROJECT(project\_id, project\_name, dept\_id)**

**Solve the following queries:**

1. Display employee name and department name.
2. List employees working in the "IT" department.
3. Display employee details along with department location.
4. Show project name with corresponding department name.
5. Display all departments including those with no employees.
6. Show all employees even if they are not assigned to any department.
7. Display all projects including departments with no projects.
8. Display all employees and departments, even if no matching records exist.
10. Display employees earning more than ₹30,000 sorted by salary.
11. Display department-wise total salary.
12. Display number of employees in each department.
13. Display employee name, department name, and department location.
14. Display project name along with employee names working in the same department.
15. Display employee details who belong to departments located in 'Surat'.
16. Display department-wise employee list ordered by employee name.
17. Display employee name and project name where employee department matches project department.
18. Display employees working in departments that have projects assigned.
19. Display department name and total number of employees.
20. Display employees who are not earning the maximum salary in their department.
21. Display employee name, salary, and department name for employees earning more than the average salary.
22. Display department name and project count for each department.
23. Display employees whose department ID exists in both DEPARTMENT and PROJECT tables.
24. Display project details for departments that have more than one employee.

**Write a PL/SQL BLOCK for the following and Handle EXCEPTIONS as and when required:**

1. Accept employee salary and display annual salary.
2. Check whether an employee's salary is greater than 25,000 and print "High Salary" or "Low Salary".
3. Display grade based on salary:
  - a.  $\geq 50,000 \rightarrow$  Grade A
  - b.  $\geq 30,000 \rightarrow$  Grade B
  - c. Else  $\rightarrow$  Grade C
4. Print numbers from 1 to 10 using LOOP.
5. Display first 10 even numbers using WHILE loop.
6. Count the number of Employees.
7. Display employee names.
8. Display employees earning more than 30000.
9. Display employee name and department name.
10. Accept department ID and display employees of that department.
11. Fetch employee name and salary using emp\_id and display it.
12. Handle NO\_DATA\_FOUND while searching for an employee.
13. Use a cursor to display all employee names with salaries.