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| Course Code: CL-2005 | Course: Database Systems Lab |
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TOPICS:

- CASE When Statement

CASE STATEMENT

In Oracle SQL, a "CASE" expression is used to perform conditional logic within a query. It allows you to perform different actions based on different conditions. The basic syntax for a simple CASE statement is as follows

```
SELECT column1, column2,
CASE
  WHEN condition1 THEN result1
  WHEN condition2 THEN result2
  WHEN condition3 THEN result3
  ELSE result4
END AS alias_name
FROM your_table;
```

Here's a breakdown of the components

- column1, column2: These are the columns you want to retrieve in your query.
- CASE: This keyword is the beginning of the CASE expression.
- WHEN condition1 THEN result1: This is a condition that, when met, results in the corresponding result. You can have multiple WHEN conditions.
- ELSE result4: This is an optional part. If none of the conditions are met, the ELSE part provides a default result.
- END: This keyword marks the end of the CASE expression.
- AS alias_name: This is optional and is used to give a name to the result column.

```
SELECT employee_id, salary,
CASE
  WHEN salary > 50000 THEN 'High Salary'
  WHEN salary BETWEEN 30000 AND 50000 THEN 'Medium Salary'
  ELSE 'Low Salary'
END AS salary_category
FROM employees;
```

| | EMPLOYEE_ID | SALARY | SALARY_CATEGORY |
|---|-------------|--------|-----------------|
| 1 | 100 | 24000 | High Salary |
| 2 | 101 | 17000 | Medium Salary |
| 3 | 102 | 17000 | Medium Salary |
| 4 | 103 | 9000 | Low Salary |
| 5 | 104 | 6000 | Low Salary |
| 6 | 105 | 4800 | Low Salary |
| 7 | 106 | 4800 | Low Salary |
| 8 | 107 | 4200 | Low Salary |
| 9 | 108 | 12008 | Low Salary |

DATABASE SYSTEMS LAB

Lab Tasks:

1. Categorize Employees by Salary Range. If salary < 50000 it should indicate 'Low Salary' If salary >= 50000 & salary < 100000 then it should indicate 'Medium Salary', While if salary >= 100000 it should print 'High Salary', Otherwise it must say 'Unknown'.
2. Identify Employees with Commission. If commission_pct is not null then 'receives commission', else 'no commission'.