Experiment Number: 05

TITLE

SQL Queries on: Functions-Single Row, Aggregate Functions, Data Sorting, Subquery, Group by-Having, Set Operations, View. TCL Commands.

Aim: Write suitable select commands to execute queries on the given data set.
Objective:
- To get basic understanding of Aggregate Functions, Order By clause
- To get basic understanding of Subquery or Inner query or Nested query and Select using subquery.
- To understand the basic concept of Correlated Subquery.
- To get familiar with the basic ALL, ANY, EXISTS, SOME functionality.
- To understand basic TCL commands

Problem Statement:

Create tables and solve given queries using Subqueries
Theory:
Explain Aggregate Functions, Order By , Group By clause

Explain SET operations, use of SET operations in Select
[Include Table specifying the logical operators to be used]
Explain Subqueries, use of subquery in Select
Explain views, Types of views
TCL Commands
Syntax:
Description:
Example:

Input: Database *(use the same database used for Assignment 4)*

Output: Data as per request
 (Perform minimum **8 queries** covering following topics Functions-Single Row, Aggregate Functions, Data Sorting, Subquery, Group by-Having, Set Operations, View. TCL Commands. You can form your own queries)

Platform:

Conclusion: Thus, we have learned Subqueries commands thoroughly.

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FAQs:

1. Explain following types of subqueries
   - Single-row subquery
   - Multiple-row subquery
   - Multiple-column subquery

2. When subquery is used?
3. Explain SQL SubQueries with ALL, ANY, EXISTS, SOME, With UPDATE
4. How to get groupwise data from a table. What is use of Having Clause

5. What is 'having' clause and when to use it?
6. How to display data from View. Are the views updatable? Explain