**Experiment Number: 05**

**TITLE**

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