

Minutes of Meeting.

Meeting Objective: Understand the different ways to use a subquery in select statement and concept of views and CTE for simplifying complex queries and discussion -5.

Date: 17-05-2024.

Time: 11:30.am.

Location: JAIN (Deemed-to-be-university), Faculty of Engineering and Technology.

Attendees:

- 1.Mr. Akash, Futureense Technologies,
- 2.K shreeshanth.
- 3.Chethan Y.
- 4.Jeyapathy m.
- 5.Vishnu.
- 6.wajith ,fellow colleagues of batch 2024 ,jain university.

Meeting agenda:

1.Introduction to the concept of views and CTE(common table expression) for simplifying complex queries.

2.Understand the different ways to use a subquery in select statement.

3.To filter data based on the main select statement, from and where clauses and Breaking down the complexity of the query with the use of views and CTE.

4.To learn about the reusability of views in MySQL.

1. Introduction to Views and Common Table Expressions (CTEs)

- **Views:**
 - **Definition:** Virtual tables representing the result of a SQL query.
 - **Usage:** Simplify complex queries by encapsulating them within a view.
- **Common Table Expressions (CTEs):**
 - **Definition:** Temporary result sets that can be referenced within a SELECT, INSERT, UPDATE, or DELETE statement.
 - **Usage:** Break down complex queries into more manageable parts using the WITH clause.

2. Different Ways to Use Subqueries in SELECT Statements

- **Scalar Subqueries:** Return a single value and can be used in place of an expression
- **Table Subqueries:** Return a result set that can be treated as a table.

3. Filtering Data in SELECT, FROM, and WHERE Clauses

- **Main SELECT Statement:**
 - Define what columns to retrieve.
- **FROM Clause:**
 - Specify the tables to query and join conditions.
- **WHERE Clause:**
 - Filter rows based on specified conditions.

- Encapsulation of complex logic for reuse across multiple queries.
- Simplifies query maintenance and readability.

Next Meeting:The next meeting will be scheduled for 17-05-2024 [1:30]. The agenda will focus views in the sql and Scenario-based Exercises and practice Exercise - Views - Types of Views in sql.

Minutes Prepared By:

[k shreeshanth.]

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