ASD LAB

Experiment 11

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EXPERIMENT : 11

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AIM : Implementation of set operators, nested queries and Join queries

DESCRIPTION :

SET OPERATORS: UNION,INTERSECT,MINUS

The UNION operator is used to combine the result-set of two or more SELECT statements.

Each SELECT statement within UNION must have the same number of columns

The columns must also have similar data types

The columns in each SELECT statement must also be in the same order.

The UNION operator selects only distinct values by default. To allow duplicate values, use UNION ALL

MINUS and INTERSECT operators are not available in mysql.

NESTED QUERIES:

A subquery is a SQL query nested inside a larger query.

A subquery may occur in: SELECT clause , FROM clause , WHERE clause

In MySQL subquery can be nested inside a SELECT, INSERT, UPDATE, DELETE, SET, or DO statement or inside another subquery.

A subquery is usually added within the WHERE Clause of another SQL SELECT statement. You can use the comparison operators, such You can use the comparison operators, such as >, <, or =. The comparison operator can also be a multiple-row operator, such as IN, ANY, SOME, or ALL.

A subquery can be treated as an inner query, which is a SQL query placed as a part of another query called as outer query.

The inner query executes first before its parent query so that the results of the inner query can be passed to the outer query.

JOIN QUERIES:
A JOIN clause is used to combine rows from two or more tables, based on a related column between them.
The INNER JOIN keyword selects records that have matching values in both tables.
The LEFT JOIN keyword returns all records from the left table (table1), and the matched records from the right table (table2). The result is NULL from the right side, if there is no match.
The RIGHT JOIN keyword returns all records from the right table (table2), and the matched records from the left table (table1). The result is NULL from the left side, when there is no match.
The FULL OUTER JOIN keyword returns all records when there is a match in left (table1) or right (table2) table records.

EXECUTION STEPS: 1. Execute the batch script for the 11th Experiment (exp11.sql) using either of the following commands to create the data tables.

a. mysql> source exp11.sql

b. mysql> \. exp11.sql