

What is View?

A view is a "virtual table," a relation that is defined in terms of the contents of other tables and views. Declare by: CREATE VIEW <name> AS <query>

What Happens When a View Is Used?

- The DBMS starts by interpreting the query as if the view were a base table.
- The queries defining any views used by the query are also replaced by their algebraic equivalents, and "spliced into" the expression tree for the query.

What is a Stored Procedure?

A stored procedure is a prepared SQL code that you can save, so the code can be reused repeatedly. So, if you have an SQL query that you write repeatedly, save it as a stored procedure, and then just call it to execute it.

View VS Materialized View

Materialized views are disk based and are updated periodically based upon the query definition.

Views are virtual only and run the query definition each time they are accessed.

	View	Materialized view
Basic	A View is never stored it is only displayed.	A Materialized View is stored on the disk.
Define	View is the virtual table formed from one or more base tables or views.	Materialized view is a physical copy of the base table.
Update	View is updated each time the virtual table (View) is used.	Materialized View must be updated manually or using triggers.
Speed	Slow	Fast
Memory usage	View do not require memory usage	Materialized View utilizes memory space.
Syntax	Create View V as	Create Materialized View V Build [clause] Refresh [clause] On [Trigger] As