

Experiment 7

Date : September 24 2020

AIM

Creation of Views and Assertions *

THEORY

In SQL, a view is a virtual table based on the result-set of an SQL statement. A view contains rows and columns, just like a real table. The fields in a view are fields from one or more real tables in the database. You can add SQL functions, WHERE, and JOIN statements to a view and present the data as if the data were coming from one single table.

An assertion is a named constraint that may relate to the content of individual rows of a table, to the entire contents of a table, or to a state required to exist among a number of tables. An assertion is described by an assertion descriptor. In addition to the components of every constraint descriptor an assertion descriptor includes:

- the <search condition>.

An assertion is satisfied if and only if the specified <search condition> is not false.

Execution steps:

1. Execute the batch script for the 7th Experiment (Exp7) using either of the following commands.

- a. `mysql> source Exp7.txt`

- b. `mysql> \. Exp7.txt`