Department of Computer Science and Engineering, Anna University, Chennai
CS6106 – Database Management Systems
Sem / Batch: IV / Q, May 10, 2022

Week 8 – Triggers and Views

Observation (5)

1. Explain Triggers with examples and Write down its syntax?
2. Explain Views with examples and Write its syntax?
3. Study and explore all the concepts of Triggers and Views.

Execution (15)

Write Queries to

1. Create a view that selects Doc-no, D-name, Qualification, salary in the Doc_Reg table with a salary higher than the average salary
2. Insert some records in the above view
3. List the records from the above view
4. Update the above view with 10 % of salary increment with any given condition relevant to qualification
5. Delete the records from the above view with salary below particular value
6. Create a view that selects patient number, patient name and age in the pat_entry table with a particular country
7. Insert some records in the above view
8. List the records from the above view
9. Delete the records from the above view with patient age is below 30
10. Drop the above two views
11. Write down all the conditions that a view can be updated.
12. Write a trigger in PL/SQL to maintain symmetry in the patient relationship
    Insertion
    Deletion
    Updation

Spot (5)

1. Consider the following relational schema that manages the telephone bills of a mobile phone company.
    CUSTOMER (SSN, Name, Surname, PhoneNum, Plan)
    PRICINGPLAN (Code, ConnectionFee, PricePerSecond)
    PHONECALL (SSN, Date, Time, CalledNum, Seconds)
    BILL (SSN, Month, Year, amount)

a. Write a trigger that after each phone call updates the customer's bill.

b. We make the assumption that the bills to be updated are always already present in the database. In order to do this, we can create another trigger that creates a bill with an amount of 0 for each registered customer at the beginning of each month (suppose we have the event END_MONTH).

Happy Learning!