Department of Computer Science and Engineering, Anna University, Chennai
CS6106 – Database Management Systems
Sem / Batch: IV / Q, March 15, 2022

Week 2 – Study and Implementation of DDL and DML Commands

Observation (5)

1. Write the syntax for the following DDL and DML Commands.

A. Data Definition Language

1. CREATE
2. ALTER
   a. To Add a New Column
   b. To Drop Columns
   c. To Change Data Type of a Column
   d. To Rename a Column
3. DROP
4. TRUNCATE
5. Write Difference between Drop and Truncate.

B. Data Manipulation Language

1. INSERT
2. SELECT
   a. Select a column from a table
   b. To Select all the columns from a table
3. UPDATE
   a. Updating a Single Column
   b. Updating Multiple Columns
4. DELETE

C. Clauses (*Study & Write syntax with any ONE of the DML Statements*)

1. WHERE
2. AND
3. OR
4. AS

2. What are Data types and list its types.

Execution (15)

Execute DDL and DML Commands for the given case study.

1. List the names of all entities, weak entities, relationships having attributes, all the types of attributes.
2. Create Table for all the entities and relationships.
3. Insert 10 records for all the tables created.
4. Explore all the other DDL and DML Commands.

Spot (5)

Pre-Requisite Data:

Customer Table

ID	NAME	AGE	ADDRESS	SALARY
1	Akshay	25	Delhi	30000
2	Manish	27	Mumbai	35000
3	Kushagra	26	Kolkata	30000
4	Mukesh	31	Hyderabad	32000
5	Himanshu	29	Chennai	40000
6	Neeraj	30	Noida	36000
7	Nishant	32	Delhi	30000

1. Create a table "Customer" and Insert records as given in the Pre-Requisite Data

Write a query

2. To find the salary of a person where age is <= 26 and salary >= 25000 from customer table
3. To Add a new column "Phone_No" to the customer relation.
4. To Change the name of column/field "Name" to "C_Name".
5. To Update ADDRESS= "Kerala" and SALARY = "50000" for ID =2
6. To change the datatype of Address column
7. Viva Voce – Difference between Drop, Delete and Truncate.

Happy Learning!