

Department of Computer Science and Engineering, Anna University, Chennai
CS6106 – Database Management Systems
Sem / Batch: IV / Q, March 22, 2022

Week 2 - Constraints

Observation (5)

1. What are integrity Constraints? List the types.
2. Write the syntax for creating the following Constraints.
 - a. Not Null
 - b. Unique
 - c. Primary Key
 - d. Foreign Key
 - e. Check
 - f. Default
 - g. Index
3. Write syntax to Drop the Created Constraints.

Execution (15)

Exercise 1:

- a. Create a table called customer with attributes name, gender, address and contact number in which customer name is the primary key.
- b. Define integrity constraint to specify gender with check clause.
- c. Ensure the constraint primary key is not null.
- d. Alter the table customer with two more attributes age and DoB
- e. Insert at least 5 tuples into the table.
- f. List all the female customers

Exercise 2:

- a. Create a table called account with attributes account number, branch name and balance number in which account number of 14 digit is the primary key.
- b. Define integrity constraint to ensure account balance is not zero with check clause.
- c. Ensure the constraint primary key is not null.
- d. Alter the table account with one more attribute acc-type
- e. Insert at least 10 tuples into the table.
- f. Find all the account having balance more than 10,000
- g. Find all accounts belongs to a particular branch.

Exercise 3:

- a. Create table flight with attributes flight number, capacity, type, and model
- b. Define integrity constraints to uniquely identify the flights and to ensure type attribute satisfy condition that the flight may either domestic or International.
- c. Alter the flight table with additional attributes
- d. Insert few tuples into the table.
- e. Find all the domestic flights

Exercise 4:

Execute and create all the constraints for the case study Hospital Management System Application.