

CHAPTER - 4

SQL

Subject : DBMS

ASSIGNMENT NO – 04

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1. Explain the various **DDL commands** with examples.
2. Explain various **DML commands** with examples
3. Explain the **syntax of ALTER Table**.
4. Explain **DCL, TCL, DQL** With example.
5. Explain **Order by and Group by Clause** with example.
6. Explain different **aggregate functions** with an example.
7. Explain **String operation** in SQL with example.

8. Attempt the following :

Consider the following entities and relationships.

Item (I_no, I_name, I_qty)

Po (P_no, P_date)

Supplier (S_no, S_name, S_addr)

Item and Po are related with one to many relationships along with descriptive cost and quantity. Supplier and Po are related with one-to-many relationships.

Create a RDB for the above and solve the following queries :

- (i) Insert a row in Item table.
- (ii) List the name of supplier to whom Po is given for “mouse”.
- (iii) List the name of supplier and item_name in Po’s generated on “30-sep-2009”.
- (iv) List the names of suppliers who is going to supply “monitor” with minimum cost.
- (v) Find out Po number, Po date and supplier name of the Po which is of maximum amount.
- (vi) Display all Po which contains the number, date, supplier name of the Po details of all items included in that i.e. name of item, qty and rate.

9. Attempt the following

Consider the following entities and their relationship :

Item (item no, name, quantity)

Sup (no, name, addr, city, phone-no)

Item and sup are related with many-to-many relationship with rate, discount.

Constraints : primary key and item qty > 5 and rate > 0

Create RDB in 3NF and write queries in sql (any five) :

- (a) Insert a row in item table.
- (b) Find the rate and discount of the item mouse.
- (c) Count the number of items supplied by supplier "Mr. Navathe".
- (d) Display the details of all suppliers from 'Pune' city.
- (e) Display item name in ascending order.
- (f) Display supplier name in descending order of quantity.

10. Attempt the following :

Consider the following entities and their relationship :

Game (gno, gname, no-of-player, coachname)

Player (pno, pname)

Game and player are related with many-to-many relationship

Create RDB in 3NF and solve the following queries using SQL (any five) :

- (a) Delete a row from Game table for game "Cricket"
- (b) Display all players who play game "Table Tennis"
- (c) List all games played by Rajesh
- (d) Add column Age in the player table
- (e) Count total no. of players whose coach is "Kiran"
- (f) Count max no. of players in a game.

***** **Best of Luck** *****