

MCA SEM - I

Subject: Database Management Systems (PS01CMCA33)

Last Date of Submission: Before the Internal Exam

List May Be Appended Time to Time

Note:

Make separate text file for each question. Save the text file with Qn.txt. Where n represent Question number.

Upload a single zip file with name of file like “your-pid_your-name.zip” in google classroom, which contains all text files.

Q.1 Client_Master (Client_No, Client_Name, Client_City, Gender, Birth_Date, Pincode)

Create table with Client_No as primary key and insert at least ten records.

1. Retrieve all records of Client_Master table
2. Display only the names of all clients.
3. List all the clients who are located in Mumbai.
4. Find the names of a client whose birthdate = '20-Oct-1980'
5. Find the names of a client whose Gender is Male and City is Anand
6. Display all records in sorted by Client Name;
7. Add a column Mobile_No with data type Number and size is 10 in Client_Master;
8. Change the data size of City_Name column in Client_Master to 50.
9. Change the city is equal to Bombay for client_no = 10.
10. Change the mobile number to 8989989898 of Harsh
11. Delete all the clients whose city belongs to Bangalore.
12. Backup the Client_Master table in B_Client_Master.
13. Change the name of Client_Master table to Client_Mst.
14. Destroy the B_Client_Master table with its data.

Q.2 Employee (E_no, E_name, Join_Date, Dept_name, State, City, Post, Basic)

Create table with E_no as primary key and insert at least ten records.

1. Display employee name who's basic is maximum.
2. Display employee name who's basic is minimum.
3. Display total basic of organization.
4. Display today's day, month and year.

5. Display the Sales department employees order by basics.
6. List the various departments in an organization.
7. Increment the basic of purchase department by 10%.
8. Display department wise total number of employee
9. Display postwise number of employee.
10. Display basicwise total number of employee whose basic greater than 10000.
11. Display the statewise number of employee.
12. Display statewise, citywise total number of employee.
13. Display Employee name and Department name in single column.
14. Display today's day, month and year.
15. Display the Sales department employees order by basics.
16. List the various departments in an organization.
17. List the names start with 'S'.
18. List the names whose starting character is 'S' and ending character is 'H'.
19. List the names whose second character is 'H'.
20. Find the names in which character 'A' comes at any position.
21. To find the employees who are not clerk.
22. Increment the basic of purchase department by 10%.
23. Display all employee record with department wise. Within department it should be display by post in alphabetical order.
24. Insert new record in emp table with basic =\$10000;
25. Display total number of employees.
26. Add join_dt field in emp table with constraint that it should be greater than 1st Jan 2017.
27. Add constraint that salary should not be greater than 50000.
28. Add constraint that post should be only 'CLERK', 'MANAGER' & 'ACCOUNTANT'.
29. Add constraint that default department name is 'PURCHASE'
30. Add constraint that name should be unique key.

Q.3 Cust_Master (Custno (Primary key) , cname, state, phone)

Bill_Detail (Bill_no (Primary key) , Cust_No (Foreign Key) , Bill_Amount)

Insert at least five records in both tables.

1. Add a column email to the Cust_Master table.
2. Sort all bill records in ascending order of bill_no field
3. Display all customer names in Upper case.
4. Display all customer names in Lower case.
5. Display total amount of all bills.

6. Display average amount of all bills.
7. Display total numbe of all bills.
8. Display bill_no and cust_no whose bill_amount is highest.
9. Display bill_no and cust_no whose bill_amount is minimum.
10. Display all customer names in with first letter in capital.

PPR