MySQL

Practice – 6

Overview

This practice enables you to understand how to retrieve data from table(s) using sub queries.

- *Understand what joins are.*
- *List the types of joins.*
- *Execute different types of joins.*
- *Create different types of Subqueries*

Hands-on

1. Select the "pubs" database which you have created in the previous hands-on session.

2. List out all the titles along with the publishers' name.

3. List out the publishers name along with the total sales done by each publisher.

4. List out all the publishers name and authors by their last names that are from the same city.

5. List out all the publishers' names along with the above criteria. i.e. All publisher names where the authors and publisher are from the same city or not.

6. Get distinct publisher IDs and publisher names for the 'business' category of books.

7. List out the title along with the author's name. HINT : You need to make use of THREE (3) tables, the titles table, the titleauthor table and the authors table.

8. Create tables by name Employees, Departments and SalGrades. The instructor will suggest you about the column name, types and attributes.

    employees

emp_id	ename	dept_id	job	mgr_id	bsal
101	Sameer	10	President		50000
102	Srinivas	10	VP	101	40000
103	Nanda	20	VP	101	40000
104	Ram	30	DGM	102	35000
105	Vivek	20	PM	103	30000

| | 106 | Venkat | | 20 | Tech Lead | 105 | 25000 | |

departments

dept_id	dname	location
10	Crop	Dallas
20	PW	Bangalore
30	SP	Pune
40	MS	Hyderabad

salgrades

grade	min_sal	max_sal
A	40001	50000
B	30001	40000
C	20001	30000

9. Write a query to display the employee name, department number, and department name for all employees.

10. Create a unique listing of all jobs that are in department 30. Include the location of department 30 in the output.

11. Write a query to display the employee name, department name, and location of all employees who earn a commission.

12. Display the employee name and department name for all employees who have an A in their name.

13. Write a query to display the name, job, department number, and department name for all employees who work in DALLAS.

14. Display the employee name and employee number along with their manger's name and number. Label the columns Employee, Emp No, Manager, and Manager No.
.

15. List employees who have no manager.

16. Show the structure of SALGRADES table. Create a query that will display the name, job, department name, salary and grade for all employees.

17. Identify the publisher identify and publisher for the title type 'business' using the concept of sub-query.

18. Identify the publisher identity and publisher for title type other than modern cooking.

19. There are two popular titles

    a) The Busy Executive's Database Guide and
    b) Is Anger the Enemy?

    Identify the type of these titles and find the average sales for these types of titles.

20. List out all the publishers where titles of the type 'business' exists.

21. If we have a publisher from the city 'Paris' list out all the publishers.

22. Display the titles of all those books for which the advance amount is more than the average advance for business-related books.

23. Display the name of the author for the book Net Etiquette.

24. Display the name of all the authors who have written books of the type business.

25. List all the titles along with the title identity where price is greater than the maximum price of books published by the publisher with publisher ID 0736.

26. List all the titles along with the title identity where price is greater than the minimum price of books published by the publisher with

    a) Publisher ID 1389
    b) Publisher ID 0736
    c) Publisher ID 9999

27. List all the publishers where city is the same as of any author.