

MySQL

Practice – 5

Overview

This practice enables you to understand how to retrieve data from multiple tables under different conditions.

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

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.