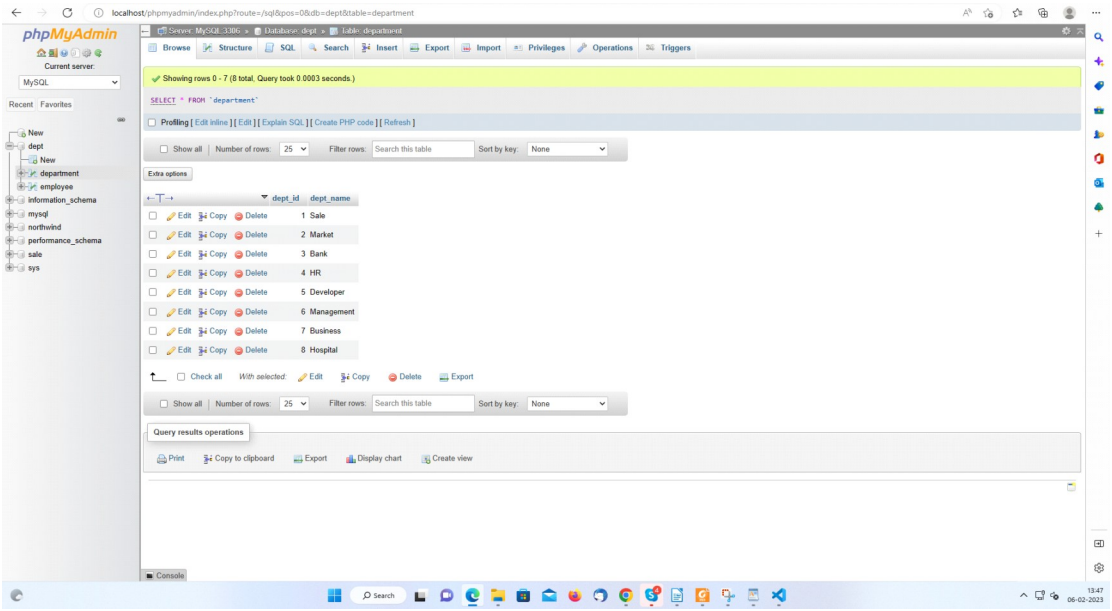
Assignment 3 : Retrieve data using Group By clause

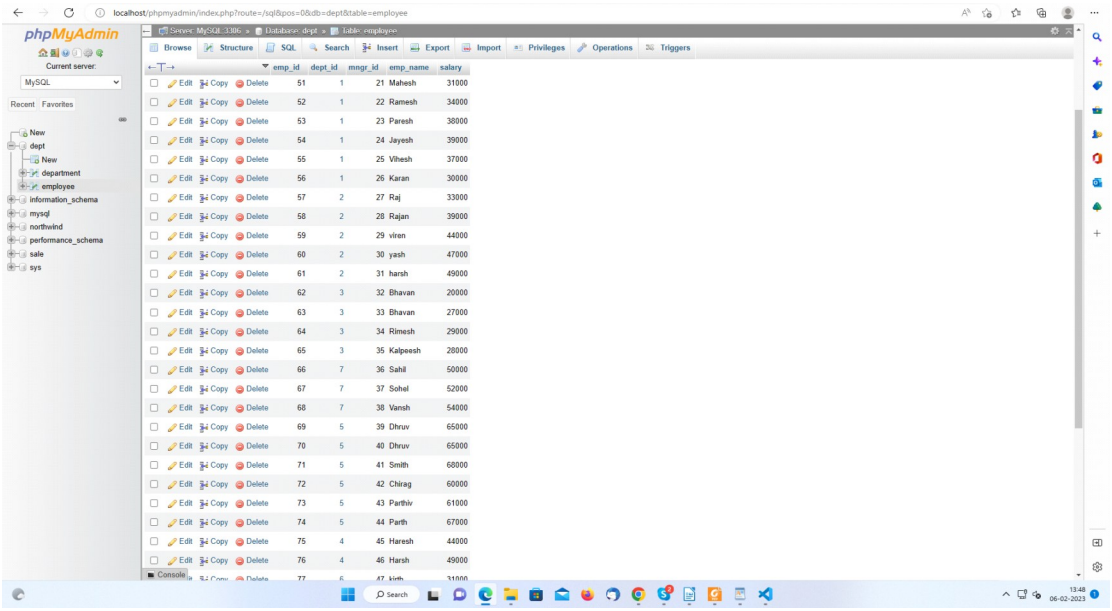
Sample table1:Department

-dept_id
-dept_name



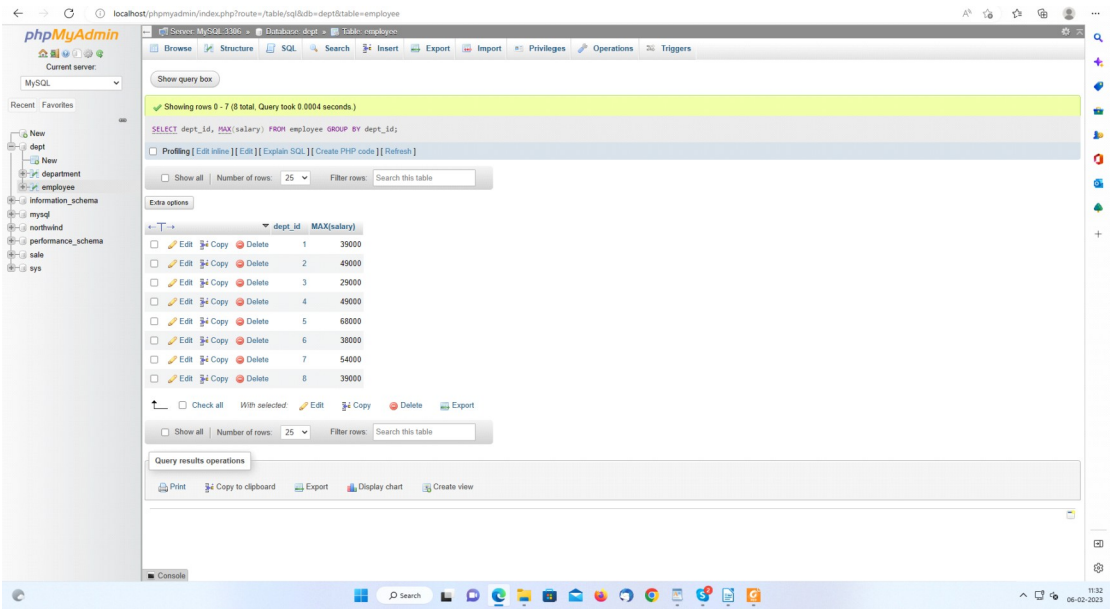
Sample table2: Employee

-emp_id
-dept_id
-mngr_id
-emp_name
-salary



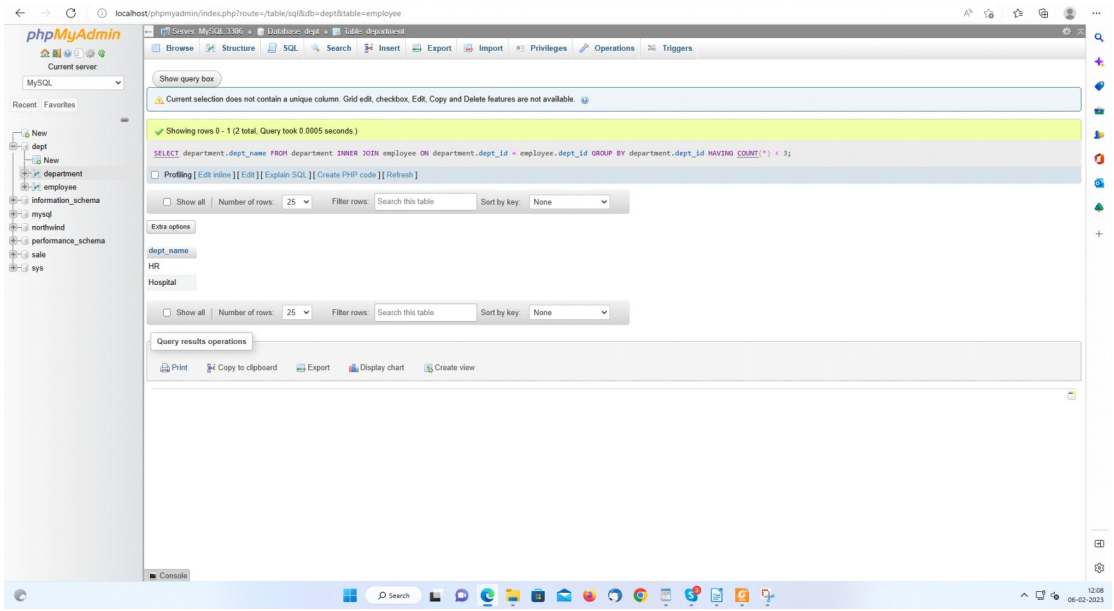
1. write a SQL query to find Employees who have the biggest salary in their Department

SELECT dept_id, MAX(salary) FROM employee GROUP BY dept_id;



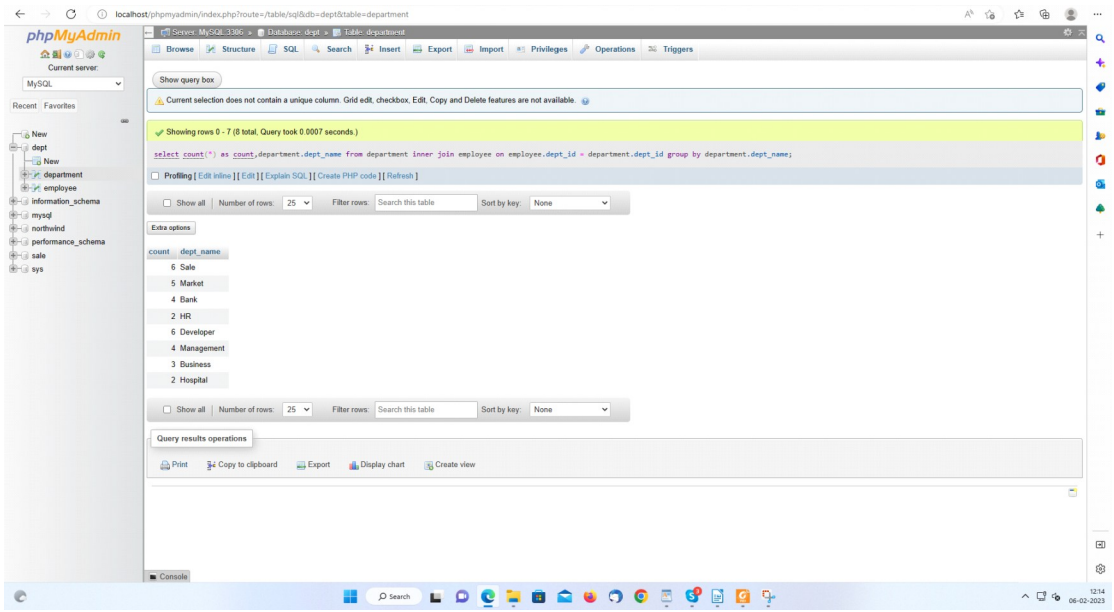
2. write a SQL query to find Departments that have less than 3 people in it

SELECT department.dept_name FROM department INNER JOIN employee ON department.dept_id = employee.dept_id GROUP BY department.dept_id HAVING COUNT(*) < 3;



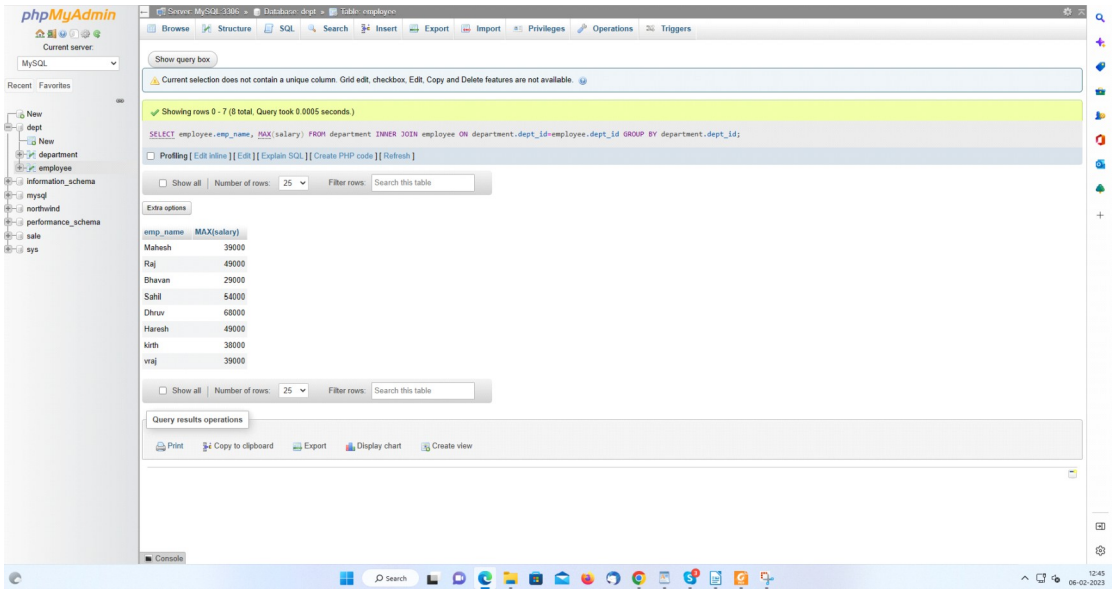
3. write a SQL query to find All Department along with the number of people there

SELECT COUNT(*) as count,department.dept_name from department INNER JOIN employee ON employee.dept_id = department.dept_id GROUP BY department.dept_name;



4. write a SQL query to find All Department along with the total salary there

SELECT department.dept_name, SUM(salary) FROM department INNER JOIN employee on department.dept_id=employee.dept_id GROUP BY department.dept_id;


phpMyAdmin
Current server:
MySQL
Recent Favorites
New
dept
New
department
employee
information_schema
mysql
northwind
performance_schema
sale
sys
Server: MySQL:3306 » Database: dept » Table: employee
Browse Structure SQL Search Insert Export Import Privileges Operations Triggers
Show query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 7 (8 total, Query took 0.0005 seconds.)
SELECT employee.emp_name, MAX(salary) FROM department INNER JOIN employee ON department.dept_id=employee.dept_id GROUP BY department.dept_id;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table
Extra options
emp_name MAX(salary)
Mahesh 39000
Raj 49000
Bhavan 29000
Sahil 54000
Dhruv 68000
Haresh 49000
kirth 38000
vraj 39000
Show all | Number of rows: 25 Filter rows: Search this table
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Search
12:45
06-02-2023