

Lab 3: JOIN Operations, Group by & Having Clause and Sub queries

Prepare Lab Sheet of MYSQL Statements for following. Use the Company Database in Lab-1 and Lab-2.

1. Select the names of employees and their dependents without using JOIN.
2. Select the names of employees and their dependents without using INNER JOIN and order the result based on dependents name.
3. Use JOIN between Employee, Project and Works_on and retrieve the name of employees and the projects on which they work.
4. Use Inner join between Employee and PF table with the join condition, Employee.SSN=PF.SSN and Employee.Salary>PF.Amount
5. Write a query to show the results of Left and Right Join between Office and Project.
6. Write a query to show the results of Cross Join between Employee and PF tables.
7. Show results of using natural join between Employee and PF.
8. Find the number of employees and status in each status of "Married", "Single", "Divorced". Use the COUNT function with the GROUP BY clause with status.
9. Find the number of employees and status in each status of "Married" OR "Single". Use the COUNT function with the GROUP BY clause with status and Having clause with status = "Married" OR "Single"
10. Using sub query, select the name and location of projects whose Onumber is in the Onumber of the offices located in country Nepal and India.

Note:

- **Make sure your database tables have appropriate relevant data inserted before.**
- **Your lab report format and submission guidelines are same as mentioned in LAB-1.**