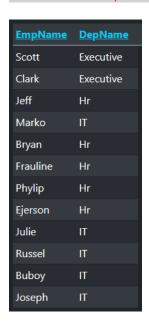
SQL Hands On 4 February, 28, 2023

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Instructor: Sir Alfren

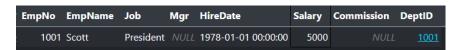
1. Write a query to get employee name, department name(Hint: join).

SELECT e.EmpName, d.DepName FROM employee e
INNER JOIN department d ON e.DeptID = d.DeptID;



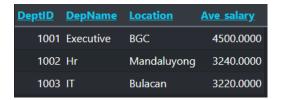
2. Write a query to get the highest paid employee details in organization.(Hint: sub query <select inside select>)

SELECT * FROM employee WHERE Salary = (SELECT MAX(Salary) FROM employee);



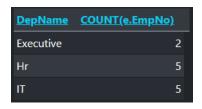
3. Write a query to get all department details whose average is more than 2500(Hint: Join, group by, having).

SELECT d.DeptID, d.DepName, d.Location, AVG(e.Salary) as Ave_salary
FROM employee e INNER JOIN department d ON e.DeptID = d.DeptID
GROUP BY d.DeptID HAVING Ave_salary > 2500;



4. Write a query to display department name and count number of employees per department. (Hint: inner join, group by, count).

SELECT d.DepName, COUNT(e.EmpNo) FROM employee e
INNER JOIN department d ON e.DeptID = d.DeptID GROUP BY d.DepName;



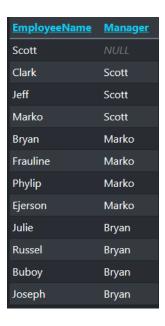
5. Write a query to display employee name, department and location. (Hint: join, alias)

SELECT e.EmpName as EmployeeName, d.DepName as Department, d.Location
FROM employee e INNER JOIN department d ON e.DeptID = d.DeptID;



6. Write a query to display employee name and his/her manager.(Hint: join, alias)

SELECT e.EmpName AS EmployeeName, m.EmpName AS Manager FROM employee e LEFT JOIN employee
m ON e.Mgr = m.EmpNo;



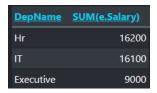
7. Write a query to display total no of employee joined on 1978-01-01.

SELECT COUNT(EmpNo) FROM employee WHERE HireDate = '1978-01-01';



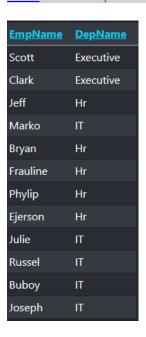
8. Write a query to get the list of department name and its total salary in the organization display it in highest to least salary.

SELECT d.DepName, SUM(e.Salary) FROM employee e
INNER JOIN department d ON e.DeptID = d.DeptID GROUP BY d.DepName ORDER BY e.Salary ASC;



9. Write a query to get the employee name, department name including employees who are not assigned to any department(Hint: outer join).

SELECT e.EmpName, d.DepName FROM employee e
LEFT JOIN department d ON e.DeptID = d.DeptID;



10. Write a query to get employee name, department name including departments where no employee is working yet(outer join).

SELECT e.EmpName, d.DepName FROM employee e
RIGHT JOIN department d ON e.DeptID = d.DeptID;

