**1. Retrieve the names and contact details of employees hired after January 1, 2023.**

INPUT-

SELECT FirstName, LastName, Email, Phone

FROM Employees

WHERE HireDate > '2023-01-01';

**2. Find the total payroll amount paid to each department.**

INPUT-

SELECT d.DepartmentName, SUM(p.Amount) AS TotalPayroll

FROM Payroll p

JOIN Employees e ON p.EmployeeID = e.EmployeeID

JOIN Departments d ON e.DepartmentID = d.DepartmentID

GROUP BY d.DepartmentName;

**3. List all employees who have not been assigned a manager.**

INPUT-

SELECT FirstName, LastName, Email

FROM Employees

WHERE ManagerID IS NULL;

**4. Retrieve the highest salary in each department along with the employee’s name.**

INPUT-

SELECT e.FirstName, e.LastName, e.Salary, d.DepartmentName

FROM Employees e

JOIN Departments d ON e.DepartmentID = d.DepartmentID

WHERE e.Salary = (

SELECT MAX(Salary)

FROM Employees

WHERE DepartmentID = d.DepartmentID

);

**5. Find the most recent performance review for each employee.**

INPUT-

SELECT e.FirstName, e.LastName, pr.ReviewDate, pr.PerformanceScore, pr.Comments

FROM Employees e

JOIN PerformanceReviews pr ON e.EmployeeID = pr.EmployeeID

WHERE pr.ReviewDate = (

SELECT MAX(ReviewDate)

FROM PerformanceReviews

WHERE EmployeeID = e.EmployeeID

);

**6. Count the number of employees in each department.**

INPUT-

SELECT d.DepartmentName, COUNT(e.EmployeeID) AS EmployeeCount

FROM Departments d

LEFT JOIN Employees e ON d.DepartmentID = e.DepartmentID

GROUP BY d.DepartmentName;

**7. List all employees who have received a performance score of "Excellent." Identify the most frequently used payment method in payroll.**

INPUT-

-- Employees with "Excellent" performance score

SELECT e.FirstName, e.LastName, pr.PerformanceScore

FROM Employees e

JOIN PerformanceReviews pr ON e.EmployeeID = pr.EmployeeID

WHERE pr.PerformanceScore = 'Excellent';

-- Most frequently used payment method

SELECT PaymentMethod, COUNT(\*) AS MethodCount

FROM Payroll

GROUP BY PaymentMethod

ORDER BY MethodCount DESC

LIMIT 1;

**8. Retrieve the top 5 highest-paid employees along with their departments.**

INPUT-

SELECT e.FirstName, e.LastName, e.Salary, d.DepartmentName

FROM Employees e

JOIN Departments d ON e.DepartmentID = d.DepartmentID

ORDER BY e.Salary DESC

LIMIT 5;

**9. Show details of all employees who report directly to a specific manager (e.g., ManagerID = 101).**

INPUT-

SELECT e.FirstName, e.LastName, e.Email, e.Phone, e.HireDate, e.Salary

FROM Employees e

WHERE e.ManagerID = 101;

**10. (Bonus Query) Retrieve the average salary of employees in each department.**

INPUT-

SELECT d.DepartmentName, AVG(e.Salary) AS AverageSalary

FROM Departments d

JOIN Employees e ON d.DepartmentID = e.DepartmentID

GROUP BY d.DepartmentName;