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-

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

**FROM Employees e**

**JOIN PerformanceReviews pr ON e.EmployeeID = pr.EmployeeID**

**WHERE pr.PerformanceScore = 'Excellent';**

**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;**