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

select concat(FirstName," ",LastName) As Employee\_name,phone from Employees

where hiredate>'2021-01-01';

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

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

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.

SELECT EmployeeID, FirstName, LastName, Email, Phone FROM Employees

WHERE ManagerID IS NULL;

4. Retrieve the highest salary in each department along

with the employee’s name.

SELECT d.DepartmentName, e.FirstName,

e.LastName, e.Salary

FROM Employees e JOIN Departments d ON

e.DepartmentID = d.DepartmentID

WHERE e.Salary = ( SELECT MAX(Salary)

FROM Employees

WHERE DepartmentID = e.DepartmentID );

5. Find the most recent performance review for each

employee.

SELECT pr.EmployeeID, e.FirstName, e.LastName, pr.ReviewDate,

pr.PerformanceScore, pr.Comments

FROM PerformanceReviews pr

JOIN Employees e ON pr.EmployeeID = e.EmployeeID

WHERE pr.ReviewDate = ( SELECT MAX(ReviewDate)

FROM PerformanceReviews

WHERE EmployeeID = pr.EmployeeID );

6. Count the number of employees in each department.

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.

SELECT e.EmployeeID, e.FirstName, e.LastName, e.Email, e.Phone,

pr.ReviewDate, pr.Comments, (SELECT PaymentMethod

FROM Payroll

GROUP BY PaymentMethod

ORDER BY COUNT(PaymentMethod) DESC LIMIT 1) AS

MostFrequentPaymentMethod

FROM PerformanceReviews pr

JOIN Employees e ON pr.EmployeeID = e.EmployeeID

WHERE pr.PerformanceScore = 'Excellent';

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

SELECT e.EmployeeID, 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).

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

e.Salary, d.DepartmentName

FROM Employees e JOIN Departments d ON e.DepartmentID = d.DepartmentID

WHERE e.ManagerID = 1;