**HR Application Task :-**

**1. Employees hired after January 1, 2023**

SELECT FirstName, LastName, Email, Phone

FROM Employees

WHERE HireDate > '2023-01-01';

**2. Total payroll amount by department**

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. Employees without a manager**

SELECT FirstName, LastName

FROM Employees

WHERE ManagerID IS NULL;

**4. Highest salary in each department with employee name**

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

FROM Employees e

JOIN Departments d ON e.DepartmentID = d.DepartmentID

WHERE (e.DepartmentID, e.Salary) IN (

SELECT DepartmentID, MAX(Salary)

FROM Employees

GROUP BY DepartmentID

);

**5. Most recent review for each employee**

SELECT pr.\*

FROM PerformanceReviews pr

JOIN (

SELECT EmployeeID, MAX(ReviewDate) AS LatestReview

FROM PerformanceReviews

GROUP BY EmployeeID

) recent

ON pr.EmployeeID = recent.EmployeeID AND pr.ReviewDate = recent.LatestReview;

**6. Count 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. Employees with "Excellent" performance**

SELECT DISTINCT e.FirstName, e.LastName

FROM Employees e

JOIN PerformanceReviews pr ON e.EmployeeID = pr.EmployeeID

WHERE pr.PerformanceScore = 'Excellent';

**8. Most frequently used payment method**

SELECT PaymentMethod, COUNT(\*) AS UsageCount

FROM Payroll

GROUP BY PaymentMethod

ORDER BY UsageCount DESC

LIMIT 1;

**9. Top 5 highest-paid employees with departments**

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;

**10. Employees reporting to manager with ID 101**

SELECT FirstName, LastName, Email

FROM Employees

WHERE ManagerID = 101;