## RDBMS Task 4

## HR Management Application

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

SELECT FirstName, LastName, Email, Phone FROM Employees WHERE HireDate > '2023-01-01'

1. **Find the total payroll amount paid to each 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

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

SELECT FirstName, LastName FROM Employees WHERE ManagerID IS NULL

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

SELECT d.DepartmentName, e.FirstName, e.LastName, MAX(e.Salary) AS HighestSalary FROM Employees e JOIN Departments d ON e.DepartmentID = d.DepartmentID GROUP BY d.DepartmentName

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

SELECT e.FirstName, e.LastName, MAX(pr.ReviewDate) AS MostRecentReview FROM PerformanceReviews pr JOIN Employees e ON pr.EmployeeID = e.EmployeeID GROUP BY e.EmployeeID

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

SELECT d.DepartmentName, COUNT(e.EmployeeID) AS EmployeeCount FROM Employees e JOIN Departments d ON e.DepartmentID = d.DepartmentID GROUP BY d.DepartmentName

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

SELECT e.FirstName, e.LastName FROM PerformanceReviews pr JOIN Employees e ON pr.EmployeeID = e.EmployeeID WHERE pr.PerformanceScore = 'Excellent'

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

SELECT e.FirstName, e.LastName, d.DepartmentName, e.Salary FROM Employees e JOIN Departments d ON e.DepartmentID = d.DepartmentID ORDER BY e.Salary DESC LIMIT 5

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

SELECT FirstName, LastName, Email, Phone FROM Employees WHERE ManagerID = 101