✅ 1. List all employees working in the Development department.

```
SELECT E.EMP_NAME, D.DEPT_NAME
FROM EMPLOYEE E
JOIN DEPARTMENT D ON E.DEPT_ID = D.DEPT_ID
WHERE D.DEPT_NAME = 'Development';
```

✅ 2. Find total salary expense of the company for November 2023.

```
SELECT SUM(NET_PAY) AS TOTAL_SALARY_EXPENSE
FROM SALARY
WHERE TO_CHAR(PAY_DATE, 'MON-YYYY') = 'NOV-2023';
```

✅ 3. Display employees who have rating greater than 4.5.

```
SELECT E.EMP_NAME, P.RATING
FROM EMPLOYEE E
JOIN PERFORMANCE P ON E.EMP_ID = P.EMP_ID
WHERE P.RATING > 4.5;
```

✅ 4. List all active projects with their client names.

```
SELECT PR.PROJECT_NAME, C.CLIENT_NAME, PR.STATUS
FROM PROJECT PR
JOIN CLIENT C ON PR.CLIENT_ID = C.CLIENT_ID
WHERE PR.STATUS = 'Active';
```

✅ 5. Find number of employees in each department.

```
SELECT D.DEPT_NAME, COUNT(E.EMP_ID) AS TOTAL_EMPLOYEES
FROM DEPARTMENT D
LEFT JOIN EMPLOYEE E ON D.DEPT_ID = E.DEPT_ID
GROUP BY D.DEPT_NAME;
```

✅ 6. Show project names and technologies used in each project.

```
SELECT PR.PROJECT_NAME, T.TECH_NAME
FROM PROJECT PR
JOIN PROJECT_TECH PT ON PR.PROJECT_ID = PT.PROJECT_ID
JOIN TECH_STACK T ON PT.TECH_ID = T.TECH_ID
ORDER BY PR.PROJECT_NAME;
```

✅ 7. Find highest paid employee.

```
SELECT E.EMP_NAME, S.NET_PAY
FROM EMPLOYEE E
JOIN SALARY S ON E.EMP_ID = S.EMP_ID
WHERE S.NET_PAY = (SELECT MAX(NET_PAY) FROM SALARY);
```

✅ 8. List employees and their managers.

```
SELECT E.EMP_NAME AS EMPLOYEE,
       M.EMP_NAME AS MANAGER
FROM EMPLOYEE E
LEFT JOIN EMPLOYEE M ON E.MANAGER_ID = M.EMP_ID;
```

✅ 9. Find client with maximum number of projects.

```
SELECT C.CLIENT_NAME, COUNT(P.PROJECT_ID) AS TOTAL_PROJECTS
FROM CLIENT C
```

```
JOIN PROJECT P ON C.CLIENT_ID = P.CLIENT_ID
GROUP BY C.CLIENT_NAME
HAVING COUNT(P.PROJECT_ID) =
    (SELECT MAX(COUNT(PROJECT_ID))
     FROM PROJECT
     GROUP BY CLIENT_ID);
```

✅ 10. Display employees whose next promotion is due in 2024.

```
SELECT E.EMP_NAME, P.NEXT_PROMOTION_DATE
FROM EMPLOYEE E
JOIN PERFORMANCE P ON E.EMP_ID = P.EMP_ID
WHERE TO_CHAR(P.NEXT_PROMOTION_DATE, 'YYYY') = '2024';
```