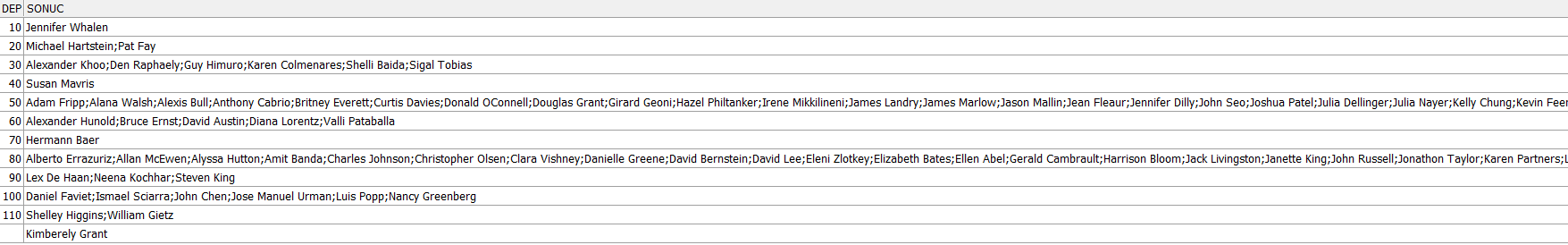
|  |  |
| --- | --- |
| **Topic** | ORACLE Analytic SQL |
| **Document Name** | AnalyticSQL01-EX-01-05 |
|  |  |

## Exercise EX -01:

**Definiton :** 1-List employees’ first name and last name in same department in one row.  
 Firstname Lastname; Firstname Lastname ;

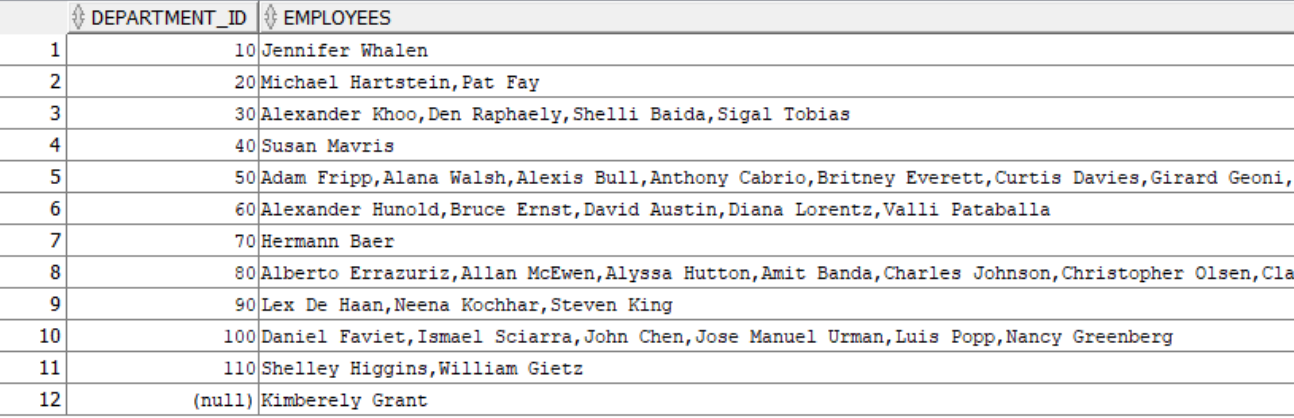
**SQL:**

SELECT DEPARTMENT\_ID, LISTAGG(FIRST\_NAME || ' ' || LAST\_NAME,',')

WITHIN GROUP (ORDER BY DEPARTMENT\_ID) AS employees FROM hr.employees GROUP BY

department\_id;

**Screenshot:**



## Exercise EX -02:

**Definiton :** Write a SQL statement that shows employees’ preceeding 1 and following 1 salary totals in same job\_id and ordered by hiredate.

**SQL:**

SELECT employee\_id, first\_name, last\_name, job\_id, salary,

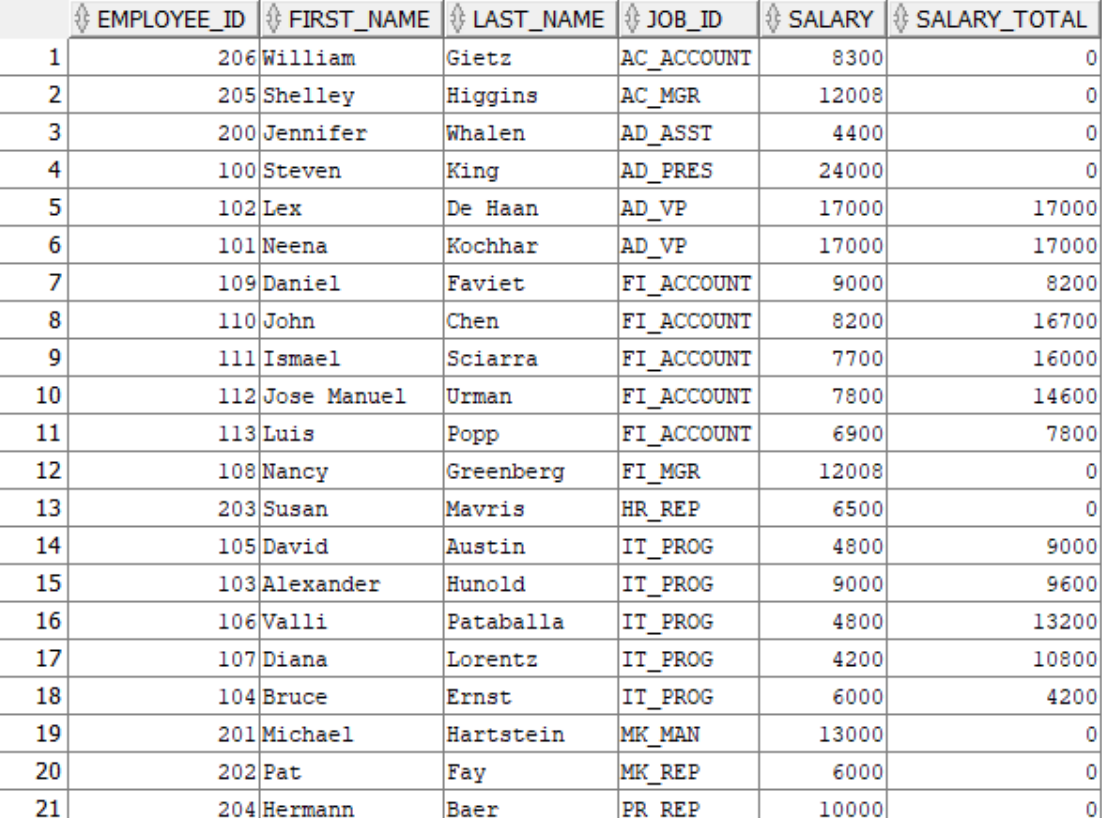
LAG(salary, 1, 0) OVER (PARTITION BY job\_id ORDER BY hire\_date) +

LEAD(salary, 1, 0) OVER (PARTITION BY job\_id ORDER BY hire\_date)

AS salary\_total FROM hr.employees

ORDER BY job\_id, hire\_date;

**Screenshot:**

****

## Exercise EX -03:

**Definiton :** List employees’ salary orders in their department and exclude higest salaried employee.

(Hint: ROW\_NUMBER)

**SQL:**

SELECT \* FROM (

SELECT hr.employees.\*,

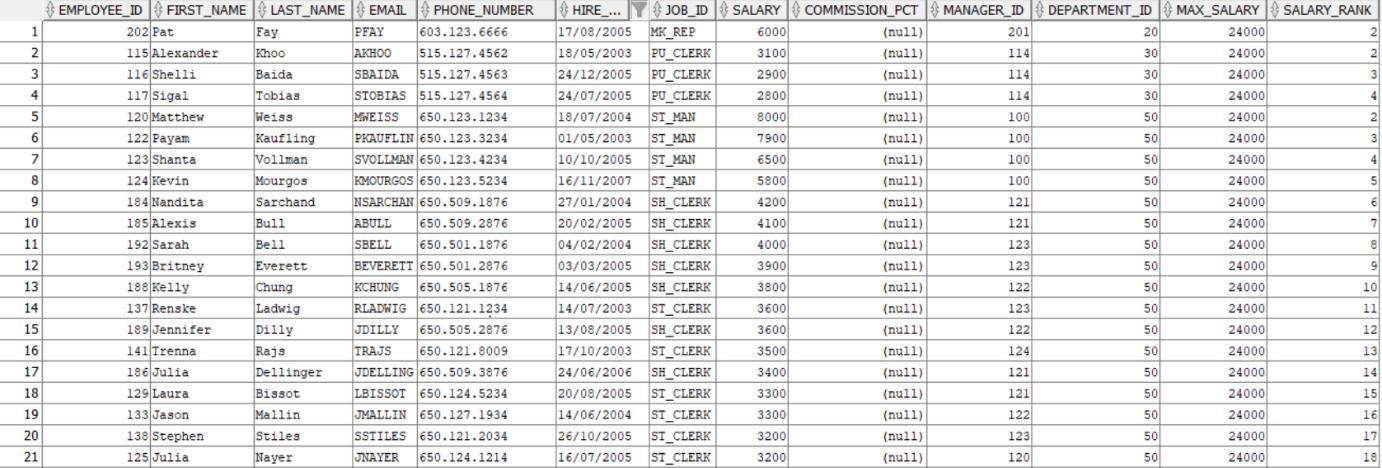
ROW\_NUMBER() OVER (PARTITION BY department\_id ORDER BY salary DESC) AS salary\_rank

FROM hr.employees

)

WHERE salary\_rank > 1

ORDER BY department\_id, salary\_rank;

**Screenshot:**

## Exercise EX -04:

**Definiton :** Listemployees’ hire order according to hiredate year value.

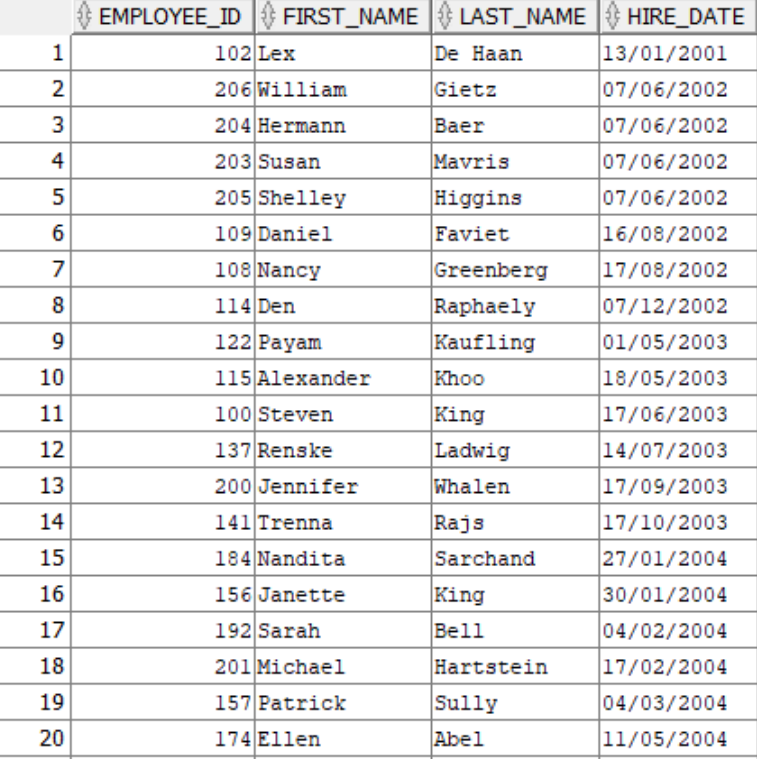
**SQL:**

SELECT employee\_id, first\_name, last\_name, hire\_date

FROM hr.employees

ORDER BY EXTRACT(YEAR FROM hire\_date), hire\_date;

**Screenshot:**



## Exercise EX -05:

**Definiton :** List employees’ firstname, lastname, salary and salaries of employees’ hired before and after this employee according to hirededate.

**SQL:**

SELECT first\_name,last\_name,salary,

LAG(salary) OVER (ORDER BY hire\_date) AS previous\_salary,

LEAD(salary) OVER (ORDER BY hire\_date) AS next\_salary

FROM hr.employees

ORDER BY hire\_date;

**Screenshot:**

metin, menü, sayı, numara, ekran görüntüsü içeren bir resim

Açıklama otomatik olarak oluşturuldu