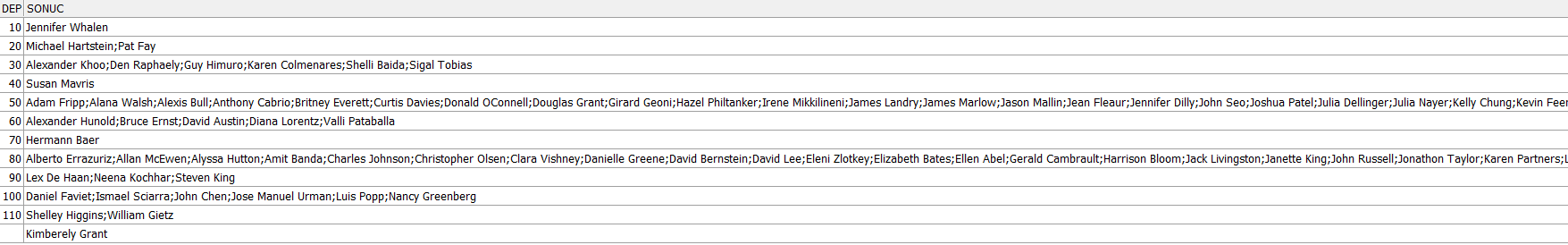
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| --- | --- |
| **Topic** | ORACLE Analytic SQL |
| **Document Name** | AnalyticSQL01-EX-01-05 |
|  |  |

## 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 first\_name) AS employees

FROM hr.employees

GROUP BY department\_id;

**Screenshot:**

metin, makbuz, ekran görüntüsü, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

## 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:**

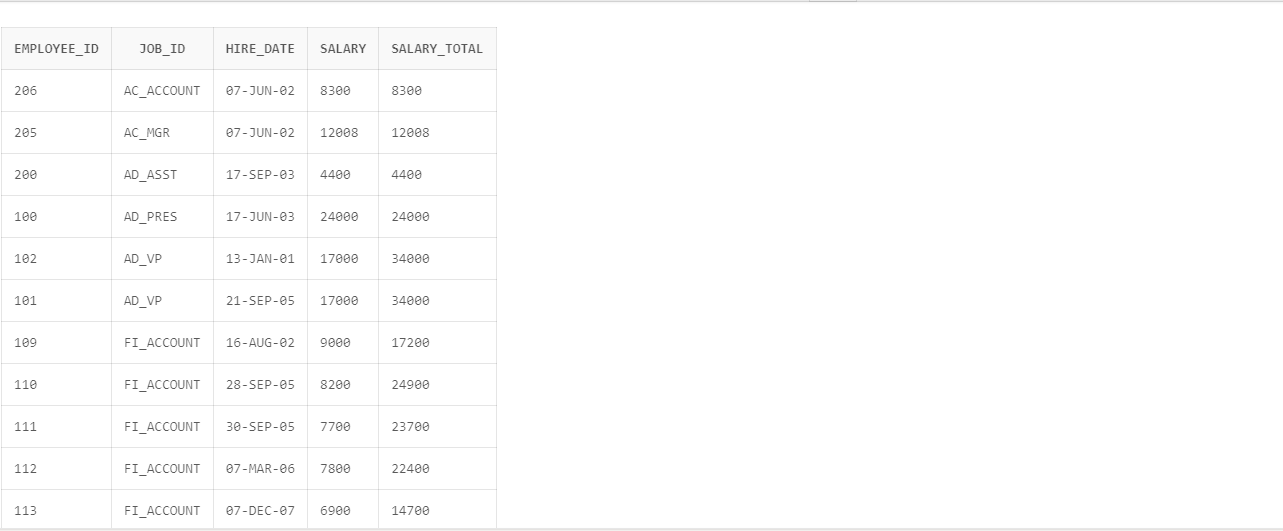
SELECT employee\_id, job\_id, hire\_date, salary,

SUM(salary) OVER (PARTITION BY job\_id ORDER BY hire\_date ROWS BETWEEN 1 PRECEDING AND 1 FOLLOWING) 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:**

WITH RankedSalaries AS (

SELECT

employee\_id,

first\_name,

last\_name,

department\_id,

salary,

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

FROM

hr.employees )

SELECT

employee\_id,

first\_name,

last\_name,

department\_id,

salary,

salary\_rank

FROM

RankedSalaries

WHERE

salary\_rank > 1

ORDER BY

department\_id, salary\_rank;

**Screenshot:**

****

## Exercise EX -04:

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

**SQL:**

WITH HireOrder AS (

SELECT

employee\_id,

first\_name,

last\_name,

hire\_date,

EXTRACT(YEAR FROM hire\_date) AS hire\_year,

ROW\_NUMBER() OVER (PARTITION BY EXTRACT(YEAR FROM hire\_date) ORDER BY hire\_date) AS hire\_order

FROM hr.employees

)

SELECT

employee\_id, first\_name, last\_name, hire\_date, hire\_year, hire\_order

FROM

HireOrder

ORDER BY

hire\_year, hire\_order;

**Screenshot:**

**metin, ekran görüntüsü, sayı, numara, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu**

## Exercise EX -05:

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

**SQL:**

SELECT

employee\_id,

first\_name,

last\_name,

hire\_date,

salary,

LAG(salary, 1) OVER (ORDER BY hire\_date) AS previous\_salary,

LEAD(salary, 1) OVER (ORDER BY hire\_date) AS next\_salary

FROM

hr.employees

ORDER BY

hire\_date;

**Screenshot:**

ekran görüntüsü, metin, tasarım içeren bir resim

Açıklama otomatik olarak oluşturuldu