TEMA 3 LABORATOR BAZE DE DATE SANDU RALUCA-IOANA 142

EX1.

- --Cautam intai cate persoane sunt angajate in fiecare zi din luna, luand maximul dintre aceste valori.
- --Apoi, cautam care este aceasta data. Cele mai multe persoane au fost angajate pe data de 24 a lunii si sunt 12 la numar.
- --In final, afisam aceste persoane, concatenandu-le numele si prenumele.

SELECT first_name||' '||last_name "SALARIAT"

FROM employees

WHERE to_char(hire_date, 'dd') IN

(SELECT to_char(hire_date, 'dd')

FROM employees

GROUP BY to_char(hire_date, 'dd')

HAVING COUNT(*) = (SELECT MAX(COUNT(*))

FROM employees

GROUP BY to_char(hire_date, 'dd')));

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EX2.

--SUBCERERE IN CLAUZA SELECT

SELECT e.employee_id, first_name||' '||last_name ANGAJAT,

NVL((SELECT COUNT(manager_id)

FROM employees

WHERE manager_id = e.employee_id

GROUP BY manager_id),0) as "NUMAR DE SUBALTERNI"

FROM employees e

--SUBCERERE IN FROM

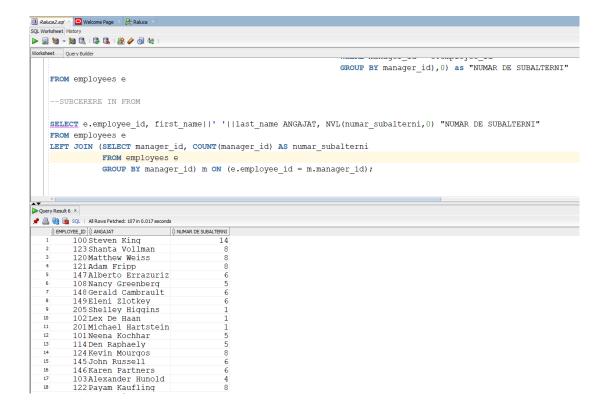
SELECT e.employee_id, first_name||' '||last_name ANGAJAT, NVL(numar_subalterni,0) "NUMAR DE SUBALTERNI"

FROM employees e

LEFT JOIN (SELECT manager_id, COUNT(manager_id) AS numar_subalterni

FROM employees e

GROUP BY manager_id) m ON (e.employee_id = m.manager_id);



EX3.

USING (ZILE_TOTAL);

- --Folosim clauza WITH. Selectam din tabelul job_history printr-o subcerere, numarul de zile lucrate de fiecare angajat in trecut,
- --precum si orasul in care a lucrat atatea zile. Apoi selectam numarul de zile lucrate pana in prezent de fiecare angajat in orasul curent.
- --Facem UNION intre cele doua rezultate, astfel incat sa gasim istoricul complet al angajatilor. Ne asiguram ca nu avem duplicate.
- --In final, listam pentru fiecare angajat orasul in care a lucrat cele mai multe zile.

WITH zile_lucrate_in_total AS (SELECT cod, city, SUM(zile) AS ZILE_TOTAL

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FROM
                (SELECT e.employee_id cod, l.city, SUM(end_date - start_date) zile
                 FROM job_history j
                 LEFT JOIN employees e ON (e.employee_id = j.employee_id)
                 LEFT JOIN departments d ON (d.department_id = j.department_id)
                 LEFT JOIN locations 1 ON (l.location_id = d.location_id)
                 GROUP BY e.employee_id, city
                 UNION
                 SELECT e.employee_id cod, city, ROUND(sysdate - hire_date) zile
                 FROM employees e
                 LEFT JOIN departments USING (department_id)
                 LEFT JOIN locations USING (location_id)
                 GROUP BY cod, city)
SELECT DISTINCT rez2.cod, rez2.city
FROM (SELECT MAX(ZILE_TOTAL) AS ZILE_TOTAL, cod
   FROM zile_lucrate_in_total
   GROUP BY cod) rez1
JOIN (SELECT MAX(ZILE_TOTAL) AS ZILE_TOTAL, cod, city
      FROM zile_lucrate_in_total
      GROUP BY cod, city) rez2
```

	⊕ COD ⊕ CITY
1	110 Seattle
2	122 South San Francisco
3	132 South San Francisco
4	138 South San Francisco
5	147 Oxford
6	148 Oxford
7	163 Oxford
8	167 Oxford
9	169 Oxford
10	175 Oxford
11	176 Oxford
12	178 (null)
13	179 Oxford
14	181 South San Francisco
15	204 Munich
16	112 Seattle
17	113 Seattle
18	114 Seattle
19	115 Seattle
20	119 Seattle
21	140 South San Francisco
22	142 South San Francisco
23	173 Oxford
24	196 South San Francisco
25	103 Southlake
26	109 Seattle
27	116 Seattle
28	126 South San Francisco
29	133 South San Francisco
30	146 Oxford
31	154 Oxford
32	156 Oxford
33	157 Oxford
34	160 Oxford