TP3 de BD

https://cloud.univ-grenoble-alpes.fr/index.php/s/TdtpybxEbWcg72W

Join On (SAL <= LOSAL

and SAL >= HISAL)

NJ (DEPTNO)

SALGRADE

EMP

DEPT

1. Select ENAME NOM, SAL + NVL (COMM,0) REVENU

From EMP

Order By REVENU Desc, NOM;

NOM REVENU

---------- ----------

KING 5000

FORD 3000

SCOTT 3000

JONES 2975

BLAKE 2850

MARTIN 2650

CLARK 2450

ALLEN 1900

WARD 1750

TURNER 1500

MILLER 1300

NOM REVENU

---------- ----------

ADAMS 1100

JAMES 950

SMITH 800

14 rows selected.

2) select avg(sal) MOYSAL

from emp;

AVG(SAL)

----------

2073.21429

3) select avg(sal+nvl(comm,0)) MOYREVENU

from emp;

MOYREVENU

--------------------

2230.35714

4) select avg(sal+nvl(comm,0)) MOYREVENU,deptno DEPARTEMENT

from emp

group by deptno

order by MOYREVENU desc;

MOYREVENU DEPARTEMENT

---------- -----------

2916.66667 10

2175 20

1933.33333 30

5) Select ename NOM, sal + nvl(COMM,0) REVENU

From emp

Where lower(ename) like 'm%'And sal + nvl(COMM,0) >= 1290;

NOM REVENU

---------- ----------

MARTIN 2650

MILLER 1300

6) select deptno DEPARTEMENT

from emp

Where job IN (‘CLERK’, ’ANALYST’, ‘MANAGER’)

group by deptno

Having count (distinct job) = 3;

DEPARTEMENT

----------

20

opérateurs ensemblistes

7)Select empno EMPLOYE, nvl(mgr,0) CHEF

From emp

Order By EMPLOYE;

EMPLOYE CHEF

---------- ----------

7369 7902

7499 7698

7521 7698

7566 7839

7654 7698

7698 7839

7782 7839

7788 7566

7839 0

7844 7698

7876 7788

EMPLOYE CHEF

---------- ----------

7900 7698

7902 7566

7934 7782

14 rows selected.

8) Select sub.ename EMPLOYE, nvl(chef.ename, 'BIG BOSS') CHEF

From emp sub left outer join emp chef on(chef.empno = sub.mgr)

Order By EMPLOYE;

EMPLOYE CHEF

---------- ----------

ADAMS SCOTT

ALLEN BLAKE

BLAKE KING

CLARK KING

FORD JONES

JAMES BLAKE

JONES KING

KING bigboss

MARTIN BLAKE

MILLER CLARK

SCOTT JONES

EMPLOYE CHEF

---------- ----------

SMITH FORD

TURNER BLAKE

WARD BLAKE

14 rows selected.

9) select chef.empno EMPLOYE, nvl(sub.empno,0) SUB

from emp chef left outer join emp sub on (sub.mgr=chef.empno)

order by EMPLOYE;

EMPLOYE SUB

---------- ----------

7369 0

7499 0

7521 0

7566 7788

7566 7902

7654 0

7698 7844

7698 7654

7698 7521

7698 7499

7698 7900

EMPLOYE SUB

---------- ----------

7782 7934

7788 7876

7839 7782

7839 7698

7839 7566

7844 0

7876 0

7900 0

7902 7369

7934 0

21 rows selected.

10)select chef.empno EMPLOYE, count(sub.empno)NBSUB

from emp chef left outer join emp sub on (sub.mgr=chef.empno)

group by chef.empno

order by NBSUB desc;

EMPLOYE NBSUB

---------- ----------

7698 5

7839 3

7566 2

7788 1

7782 1

7902 1

7876 0

7521 0

7499 0

7654 0

7934 0

EMPLOYE NBSUB

---------- ----------

7844 0

7900 0

7369 0

14 rows selected.

11) Select Distinct chef.ename NOM, chef.deptno DEPARTEMENT

From emp sub left outer join emp chef on (chef.empno = sub.mgr)

Where sub.comm is not null;

NOM DEPARTEMENT

---------- -----------

BLAKE 30

12)select ename NOM, sal + nvl(comm,0) REVENU

From emp natural join dept

Where loc In ('CHICAGO','Dallas') And sal + nvl(comm,0)>1000

Order By REVENU Desc, NOM;

NOM REVENU

---------- ----------

FORD 3000

SCOTT 3000

JONES 2975

BLAKE 2850

MARTIN 2650

ALLEN 1900

WARD 1750

TURNER 1500

ADAMS 1100

9 rows selected.

13)Select emp.ename NOM\_EMP,

emp.sal + nvl(emp.comm,0) REV\_EMP,

emp.deptno DEP\_EMP,

chef.ename NOM\_CHEF,

chef.sal + nvl(chef.comm,0) REV\_CHEF

From emp left outer join emp chef on (emp.mgr = chef.empno and

emp.sal + nvl(emp.comm,0) > chef.sal + nvl(chef.comm,0));

NOM\_EMP REV\_EMP DEP\_EMP NOM\_CHEF REV\_CHEF

---------- ---------- ---------- ---------- ----------

FORD 3000 20 JONES 2975

SCOTT 3000 20 JONES 2975

14) DIVISION INTERNE

select job

from emp

group by job

having count(distinct deptno)=(select count (distinct deptno) from emp);

JOB

---------

MANAGER

CLERK

(version sous-requete)

15)Select Distinct grade, deptno

From salgrade join emp on (sal <= hisal And sal >= losal)

Order By deptno, grade;

GRADE DEPTNO

---------- ----------

2 10

4 10

5 10

1 20

4 20

1 30

2 30

3 30

4 30

9 rows selected.

16) Select distinct deptno

From emp

Group By deptno

Having sum(sal + nvl(comm,0)) = (Select max(sum(sal + nvl(comm,0)))

From emp

Group By deptno);

DEPTNO

----------

30

17)select deptno

2 from emp natural join dept

3 where loc not in ('CHICAGO')

4 group by deptno

5 having count(empno)>3;

DEPTNO

----------

20

18) Select ename NOM, (sysdate-hiredate)/365 ANCIENNETE

2 From emp

3 Where (sysdate-hiredate)/365 >= 20

4 Order By ANCIENNETE

5 ;

NOM ANCIENNETE

---------- ----------

JONES 20.6704202

ALLEN 21.7854887

MILLER 21.8622011

MARTIN 22.182749

TURNER 22.2375435

BLAKE 23.5937079

CLARK 24.4868586

SCOTT 24.9882285

KING 26.0485024

ADAMS 27.8950778

FORD 28.0046668

NOM ANCIENNETE

---------- ----------

WARD 29.7854887

12 rows selected.

19) select deptno, job

from (select deptno, job, count(\*)totjob

from emp

group by deptno, job)

natural join (select deptno, max(totjob)totjob

from (select deptno, job, count(\*) totjob

from emp

group by deptno, job)

group by deptno)

natural right outer join dept;