

RDBMS LAB [CA3] Program & Query

Q1) WAO to hike the salary of the employees below:
 following CASE JOB is CLERK hike by 15%.
 if job is SALESMAN hike by 10% or if job is
 ANALYST hike by 12%.

Q2) SQL select ename, sal, job, case, job
 2 when 'CLERK' then sal + 0.15 * sal
 3 when 'SALESMAN' then sal + 0.1 * sal
 4 when 'ANALYST' then sal + 0.12 * sal
 5 else sal end "Revised sal"
 6 from emp;

ENAME	SAL	JOB	Revised sal
SMITH	800	CLERK	920
ALLEN	1600	SALESMAN	1760
WARD	1250	SALESMAN	1375
JONES	2975	MANAGER	2975
MARTIN	1250	SALESMAN	1375
BLAKE	2850	MANAGER	2850
CLARK	2450	MANAGER	2450
SCOTT	3000	ANALYST	3360
KING	5000	PRESIDENT	5000
TURNER	1500	SALESMAN	1650
ADAMS	1100	CLERK	1265
JAMES	950	CLERK	1092.5
FORD	3000	ANALYST	3360
MILLER	1300	CLERK	1495

14 rows selected.

Q2) WAG to display the location from the department table as short - Eg: New York as NY; Dallas as DS; Chicago as CG; Boston as BT.

Q SQL> select depto, dname, Decode(loc, 'NEW YORK', 'NY', 'DALLAS', 'DS', 'CHICAGO', 'CG', 'BOSTON', 'BT') LOC
2 from dept;

DEPTNO	DNAME	LO
10	ACCOUNTING	NY
20	RESEARCH	DS
30	SALES	CG
40	OPERATIONS	BT

SQL>

Q3) Write a query to find the sum of salary by grouping according to job and deptno. having cross tabulation.

(a) SQL) select job, deptno, sum(sal)
2 from emp
3 group by deptno, job;

JOB	DEPTNO	SUM(SAL)
		29025
CLERK		4150
ANALYST		6000
MANAGER		8275
SALESMAN		5600
PRESIDENT		5000
	10	8750
CLERK	10	1300
MANAGER	10	2450
PRESIDENT	10	5000
	20	10875

JOB	DEPTNO	SUM(SAL)
CLERK	20	1900
ANALYST	20	6000
MANAGER	20	2975
	30	9400
CLERK	30	950
MANAGER	30	2850
SALESMAN	30	5600

18 rows selected.

Q4) Write a query to find the sum of salary for job and find the grand total.

① SQL) select deptno, job, sum(sal)
2 from emp
3 group by rollup (deptno, job);

DEPTNO	JOB	SUM(SAL)
--------	-----	----------

10	CLERK	1300
----	-------	------

10	MANAGER	2450
----	---------	------

10	PRESIDENT	5000
----	-----------	------

10		8750
----	--	------

20	CLERK	1900
----	-------	------

20	ANALYST	6000
----	---------	------

20	MANAGER	2975
----	---------	------

20		10875
----	--	-------

30	CLERK	950
----	-------	-----

30	MANAGER	2850
----	---------	------

30	SALESMAN	5600
----	----------	------

DEPTNO	JOB	SUM(SAL)
--------	-----	----------

30		9400
----	--	------

		29025
--	--	-------

13 rows selected.