

SE302T : Database Management Systems

Quiz # 4

Name:

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Roll #:

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Time: 25 minutes

Marks: 10

Table: EMPLOYEE

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT	NULL	17-NOV-81	5000	NULL	10
7566	JONES	MANAGER	7839	02-APR-81	2975	NULL	20
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	NULL	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	NULL	10
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	NULL	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	NULL	20
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7900	JAMES	CLERK	7698	03-DEC-81	950	NULL	30
7369	SMITH	CLERK	7902	17-DEC-80	800	NULL	20
7934	MILLER	CLERK	7782	23-JAN-82	1300	NULL	10
7876	ADAMS	CLERK	7788	12-JAN-83	1100	NULL	20

Table: DEPARTMENT

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

Table: PROJECT

PROJNO	PROJNAME	DEPTNO
1001	Accounting App	10
1002	Research Portal	20
1003	Sales Dashboard	30
1004	HR System	40

Question # 1: Find the names of employees who earn more than the maximum salary of any SALESMAN working in the SALES department. (Marks-2) (CLO-3)

Select e. ENAME
from employee e.
INNER JOIN department d. ON e. DEPTNO = d. DEPTNO.
WHERE e. SAL > (SELECT MAX(e. SAL) AS MAX salary
from employee e.
WHERE e. JOB = 'SALESMAN'
AND d. DNAME = 'SALES');

1.13

Question # 2: List the department names where no employee earns less than the average salary of all employees. (Marks-2) (CLO-3)

Select d.DNAME.
 FROM DEPARTMENT d.
 INNER JOIN Employee e ON d.deptno = e.deptno.
 WHERE e.SAL > ALL (select AVG(SAL)
 FROM Employee e.
 INNER JOIN DEPARTMENT d ON
 e.DEPTNO = d.DEPTNO.)
 GROUP BY d.DEPTNO;

1.2

Question # 3: Find the project names handled by departments where at least one employee earns more than 3000. (Marks-2) (CLO-3)

Select P.projectName
 FROM Project P
 INNER JOIN DEPARTMENT d ON
 P.DEPTNO = d.DEPTNO.
 WHERE e.SAL > ANY (select e.name,
 FROM Employee e,
 WHERE e.SAL > 3000);

1.2

dept = ?

Question # 4: Display the names of employees who joined earliest in their respective departments (i.e., employees who are the earliest hired per department).
(Marks-2)

(CLO-3)

select e.ename.

from employee e.

~~INNER~~ JOIN department d.

WHERE ~~e.ename~~ e.hiredate = ALL

ON e.deptno = d.deptno.

(select e.hiredate.
from employee e.

WHERE e.hiredate =

~~(DISTINCT)~~ MIN (e.hiredate)

);

1.4

Question # 5: Find the names of employees whose salary is higher than the salary of their manager and who joined before their manager.
(Marks-2)

(CLO-3)

select e.ename

from employee e.

INNER JOIN department d. ON e.deptno = d.deptno.

WHERE e.sal > (select e.employersal, e.managersal.

from employee e; employersal > e.

managersal.

WHERE e.sal > e.managersal.

GROUP BY ~~MANAGER~~)

AND.

e.employno ~~MANAGER~~ != e.MGR ;

??

select e.employno

from employee e.

WHERE e.employno != e.MGR.

1.3