DBA 120 HW Practice 6 Joellyn A Johnson (jajohnson23)

1. SQL> SELECT emp.ename, dept.deptno, dept.dname

2 FROM emp, dept

3 WHERE emp.deptno = dept.deptno;

ENAME DEPTNO DNAME

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CLARK 10 ACCOUNTING

KING 10 ACCOUNTING

MILLER 10 ACCOUNTING

JONES 20 RESEARCH

FORD 20 RESEARCH

ADAMS 20 RESEARCH

SMITH 20 RESEARCH

SCOTT 20 RESEARCH

WARD 30 SALES

TURNER 30 SALES

ALLEN 30 SALES

ENAME DEPTNO DNAME

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JAMES 30 SALES

BLAKE 30 SALES

MARTIN 30 SALES

14 rows selected.

2. SQL> SELECT DISTINCT emp.job, dept.loc

2 FROM emp, dept

3 WHERE dept.deptno = 30 AND emp.deptno = dept.deptno;

JOB LOC

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SALESMAN CHICAGO

MANAGER CHICAGO

CLERK CHICAGO

3. SQL> SELECT e.ename, d.dname, d.loc

2 FROM emp e, dept d

3 WHERE e.deptno = d.deptno AND e.comm >=0;

ENAME DNAME LOC

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ALLEN SALES CHICAGO

TURNER SALES CHICAGO

MARTIN SALES CHICAGO

WARD SALES CHICAGO

4. SQL> SELECT e.ename, d.dname

2 FROM emp e, dept d

3 WHERE e.ename LIKE '%A%' AND e.deptno = d.deptno;

ENAME DNAME

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ALLEN SALES

WARD SALES

MARTIN SALES

BLAKE SALES

CLARK ACCOUNTING

ADAMS RESEARCH

JAMES SALES

5. SQL> SELECT e.ename, e.job, e.deptno, d.dname

2 FROM emp e, dept d

3 WHERE d.loc = 'DALLAS' AND e.deptno = d.deptno;

ENAME JOB DEPTNO DNAME

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JONES MANAGER 20 RESEARCH

FORD ANALYST 20 RESEARCH

ADAMS CLERK 20 RESEARCH

SMITH CLERK 20 RESEARCH

SCOTT ANALYST 20 RESEARCH

6. SQL> SELECT worker.ename AS "Employee",

2 worker.empno AS "Emp#",

3 manager.ename AS "Manager",

4 manager.empno AS "Mgr#"

5 FROM emp worker, emp manager

6 WHERE worker.mgr = manager.empno;

Employee Emp# Manager Mgr#

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FORD 7902 JONES 7566

SCOTT 7788 JONES 7566

TURNER 7844 BLAKE 7698

ALLEN 7499 BLAKE 7698

WARD 7521 BLAKE 7698

JAMES 7900 BLAKE 7698

MARTIN 7654 BLAKE 7698

MILLER 7934 CLARK 7782

ADAMS 7876 SCOTT 7788

BLAKE 7698 KING 7839

JONES 7566 KING 7839

Employee Emp# Manager Mgr#

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CLARK 7782 KING 7839

SMITH 7369 FORD 7902

7. SQL> SELECT worker.ename AS "Employee",

2 worker.empno AS "Emp#",

3 manager.ename AS "Manager",

4 manager.empno AS "Mgr#"

5 FROM emp worker, emp manager

6 WHERE worker.mgr = manager.empno(+);

Employee Emp# Manager Mgr#

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FORD 7902 JONES 7566

SCOTT 7788 JONES 7566

JAMES 7900 BLAKE 7698

TURNER 7844 BLAKE 7698

MARTIN 7654 BLAKE 7698

WARD 7521 BLAKE 7698

ALLEN 7499 BLAKE 7698

MILLER 7934 CLARK 7782

ADAMS 7876 SCOTT 7788

CLARK 7782 KING 7839

BLAKE 7698 KING 7839

Employee Emp# Manager Mgr#

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JONES 7566 KING 7839

SMITH 7369 FORD 7902

KING 7839

8. SQL> SELECT employee.deptno AS DEPARTMENT,

2 employee.ename AS EMPLOYEE,

3 colleague.ename AS COLLEAGUE

4 FROM emp employee, emp colleague

5 WHERE employee.deptno = colleague.deptno AND

6 employee.empno != colleague.empno;

DEPARTMENT EMPLOYEE COLLEAGUE

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20 FORD SMITH

20 ADAMS SMITH

20 SCOTT SMITH

20 JONES SMITH

30 JAMES ALLEN

30 TURNER ALLEN

30 BLAKE ALLEN

30 MARTIN ALLEN

30 WARD ALLEN

30 JAMES WARD

30 TURNER WARD

DEPARTMENT EMPLOYEE COLLEAGUE

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30 BLAKE WARD

30 MARTIN WARD

30 ALLEN WARD

20 FORD JONES

20 ADAMS JONES

20 SCOTT JONES

20 SMITH JONES

30 JAMES MARTIN

30 TURNER MARTIN

30 BLAKE MARTIN

30 WARD MARTIN

DEPARTMENT EMPLOYEE COLLEAGUE

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30 ALLEN MARTIN

30 JAMES BLAKE

30 TURNER BLAKE

30 MARTIN BLAKE

30 WARD BLAKE

30 ALLEN BLAKE

10 MILLER CLARK

10 KING CLARK

20 FORD SCOTT

20 ADAMS SCOTT

20 JONES SCOTT

DEPARTMENT EMPLOYEE COLLEAGUE

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20 SMITH SCOTT

10 MILLER KING

10 CLARK KING

30 JAMES TURNER

30 BLAKE TURNER

30 MARTIN TURNER

30 WARD TURNER

30 ALLEN TURNER

20 FORD ADAMS

20 SCOTT ADAMS

20 JONES ADAMS

DEPARTMENT EMPLOYEE COLLEAGUE

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20 SMITH ADAMS

30 TURNER JAMES

30 BLAKE JAMES

30 MARTIN JAMES

30 WARD JAMES

30 ALLEN JAMES

20 ADAMS FORD

20 SCOTT FORD

20 JONES FORD

20 SMITH FORD

10 KING MILLER

DEPARTMENT EMPLOYEE COLLEAGUE

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10 CLARK MILLER

56 rows selected.

9. SQL> DESC salgrade;

Name Null? Type

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GRADE NUMBER

LOSAL NUMBER

HISAL NUMBER

SQL> SELECT e.ename, e.job, d.dname, e.sal,

2 CASE WHEN e.sal BETWEEN 700 AND 1200 THEN 1

3 WHEN e.sal BETWEEN 1201 AND 1400 THEN 2

4 WHEN e.sal BETWEEN 1201 AND 2000 THEN 3

5 WHEN e.sal BETWEEN 2001 AND 3000 THEN 4

6 ELSE 5

7 END "GRADE"

8 FROM emp e, dept d

9 WHERE e.deptno = d.deptno;

ENAME JOB DNAME SAL GRADE

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CLARK MANAGER ACCOUNTING 2450 4

KING PRESIDENT ACCOUNTING 5000 5

MILLER CLERK ACCOUNTING 1300 2

JONES MANAGER RESEARCH 2975 4

FORD ANALYST RESEARCH 3000 4

ADAMS CLERK RESEARCH 1100 1

SMITH CLERK RESEARCH 800 1

SCOTT ANALYST RESEARCH 3000 4

WARD SALESMAN SALES 1250 2

TURNER SALESMAN SALES 1500 3

ALLEN SALESMAN SALES 1600 3

ENAME JOB DNAME SAL GRADE

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JAMES CLERK SALES 950 1

BLAKE MANAGER SALES 2850 4

MARTIN SALESMAN SALES 1250 2

14 rows selected.

10. SQL> SELECT ename, hiredate

2 FROM emp

3 Where hiredate > (Select hiredate

4 FROM emp WHERE ename = 'BLAKE');

ENAME HIREDATE

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MARTIN 28-SEP-81

CLARK 09-JUN-81

SCOTT 19-APR-87

KING 17-NOV-81

TURNER 08-SEP-81

ADAMS 23-MAY-87

JAMES 03-DEC-81

FORD 03-DEC-81

MILLER 23-JAN-82

9 rows selected.

11. SQL> Select worker.ename AS "Employee",

2 worker.hiredate AS "Emp Hiredate",

3 manager.ename AS "Manager",

4 manager.hiredate AS "Mgr Hiredate"

5 FROM emp worker, emp manager

6 WHERE worker.mgr = manager.empno AND

7 worker.hiredate < manager.hiredate;

Employee Emp Hired Manager Mgr Hired

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ALLEN 20-FEB-81 BLAKE 01-MAY-81

WARD 22-FEB-81 BLAKE 01-MAY-81

BLAKE 01-MAY-81 KING 17-NOV-81

JONES 02-APR-81 KING 17-NOV-81

CLARK 09-JUN-81 KING 17-NOV-81

SMITH 17-DEC-80 FORD 03-DEC-81