**Introduction to Joins Worksheet Solutions**

1. SELECT ENAME, DNAME

FROM EMP, DEPT

WHERE EMP. DEPTNO = DEPT. DEPTNO

ORDER BY DNAME ;

2. SELECT ENAME, DNAME, E. DEPTNO

FROM EMP E, DEPT D

WHERE E. DEPTNO = D. DEPTNO ;

3. SELECT D. DEPTNO, DNAME

FROM EMP E, DEPT D

WHERE E. DEPTNO (+) = D. DEPTNO

AND E. EMPNO IS NULL ;

MS Access

SELECT DEPT.DEPTNO, DEPT.DNAME

FROM EMP RIGHT JOIN DEPT

ON EMP.DEPTNO=DEPT.DEPTNO

WHERE EMP.DEPTNO IS NULL;

4. SELECT ENAME, LOC LOCATION, DNAME

FROM EMP, DEPT

WHERE EMP. DEPTNO = DEPT. DEPTNO

AND SAL > 1500 ;

MS Access

SELECT ENAME, LOC as LOCATION, DNAME

FROM EMP, DEPT

WHERE EMP.DEPTNO = DEPT.DEPTNO

AND SAL > 1500 ;

5. SELECT ENAME, JOB, SAL, GRADE

FROM EMP, SALGRADE

WHERE SAL BETWEEN LOSAL AND HISAL ;

6. SELECT ENAME, JOB, SAL, GRADE

FROM EMP, SALGRADE

WHERE SAL BETWEEN LOSAL AND HISAL

AND GRADE = 3 ;

7. SELECT ENAME, SAL, LOC LOCATION

FROM EMP, DEPT

WHERE EMP. DEPTNO = DEPT. DEPTNO

AND LOC = ' DALLAS' ;

MS Access

SELECT ENAME, SAL, LOC as LOCATION

FROM EMP, DEPT

WHERE EMP.DEPTNO = DEPT.DEPTNO

AND LOC = 'DALLAS' ;

8. SELECT ENAME, JOB, SAL, GRADE, DNAME

FROM EMP, SALGRADE, DEPT

WHERE EMP. DEPTNO = DEPT. DEPTNO

AND SAL BETWEEN LOSAL AND HISAL

AND JOB <> ' CLERK'

ORDER BY SAL DESC ;

9. SELECT ENAME, JOB, SAL\*12 + NVL(COMM, 0) ANNUAL\_SAL,

D. DEPTNO, DNAME, GRADE

FROM EMP E, DEPT D, SALGRADE

WHERE E. DEPTNO = D. DEPTNO

AND SAL BETWEEN LOSAL AND HISAL

AND (SAL\*12 + NVL(COMM, 0) = 36000

OR E. JOB = ' CLERK' )

ORDER BY E. JOB ;

MS Access

SELECT ENAME, JOB, SAL\*12 + Nz(COMM, 0) as ANNUAL\_SAL,

D.DEPTNO, DNAME, GRADE

FROM EMP E, DEPT D, SALGRADE

WHERE E.DEPTNO = D.DEPTNO

AND SAL BETWEEN LOSAL AND HISAL

AND (SAL\*12 + Nz(COMM, 0) = 36000

OR E.JOB = 'CLERK' )

ORDER BY E.JOB ;