
ENAME	DEPTNO	DNAME	LOC
KING	40	OPERATIONS	BOSTON
BLAKE		OPERATIONS	BOSTON
CLARK	40	OPERATIONS	BOSTON
JONES	40	OPERATIONS	BOSTON
MARTIN	40	OPERATIONS	BOSTON
ALLEN	40	OPERATIONS	BOSTON
TURNER		OPERATIONS	BOSTON
JAMES	40	OPERATIONS	BOSTON
WARD		OPERATIONS	BOSTON
FORD		OPERATIONS	BOSTON
SMITH		OPERATIONS	BOSTON
SCOTT		OPERATIONS	BOSTON
ADAMS		OPERATIONS	BOSTON
MILLER		OPERATIONS	BOSTON
KING		ACCOUNTING	NEW YORK
BLAKE		ACCOUNTING	NEW YORK
CLARK	10	ACCOUNTING	NEW YORK
ENAME	DEPTNO	DNAME	LOC
JONES	1.0	ACCOUNTING	NEW YORK
MARTIN		ACCOUNTING	NEW YORK
ALLEN		ACCOUNTING	NEW YORK
TURNER		ACCOUNTING	NEW YORK
JAMES		ACCOUNTING	NEW YORK
WARD		ACCOUNTING	NEW YORK
FORD		ACCOUNTING	NEW YORK
SMITH		ACCOUNTING	NEW YORK
SCOTT		ACCOUNTING	NEW YORK
ADAMS		ACCOUNTING	NEW YORK
MILLER		ACCOUNTING	NEW YORK
KING		RESEARCH RESEARCH	DALLAS
BLAKE			DALLAS
CLARK		RESEARCH	DALLAS
JONES		RESEARCH	DALLAS
MARTIN		RESEARCH	DALLAS
ALLEN	20	RESEARCH	DALLAS
ENAME	DEPTNO	DNAME	LOC
TURNER	20	RESEARCH	DALLAS
JAMES		RESEARCH	DALLAS
WARD		RESEARCH	DALLAS
FORD		RESEARCH	DALLAS
SMITH		RESEARCH	DALLAS
SCOTT		RESEARCH	DALLAS
ADAMS		RESEARCH	DALLAS
MILLER		RESEARCH	DALLAS

.

KING	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
CLARK	30	SALES	CHICAGO
JONES	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
ALLEN	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO
WARD	30	SALES	CHICAGO
ENAME I	DEPTNO	DNAME	LOC
FORD	30	SALES	CHICAGO
SMITH	30	SALES	CHICAGO
SCOTT	30	SALES	CHICAGO
ADAMS	30	SALES	CHICAGO
MILLER			

56 rows selected.

SQL> SELECT ENAME, DEPT.DEPTNO, DNAME, LOC
2 FROM EMP CROSS JOIN DEPT;

ENAME	DEPTNO	DNAME	LOC
KING	40	OPERATIONS	BOSTON
BLAKE	40	OPERATIONS	BOSTON
CLARK	40	OPERATIONS	BOSTON
JONES	40	OPERATIONS	BOSTON
MARTIN	40	OPERATIONS	BOSTON
ALLEN	40	OPERATIONS	BOSTON
TURNER	40	OPERATIONS	BOSTON
JAMES	40	OPERATIONS	BOSTON
WARD	40	OPERATIONS	BOSTON
FORD	40	OPERATIONS	BOSTON
SMITH	40	OPERATIONS	BOSTON
SCOTT	40	OPERATIONS	BOSTON
ADAMS	40	OPERATIONS	BOSTON
MILLER	40	OPERATIONS	BOSTON
KING	10	ACCOUNTING	NEW YORK
BLAKE	10	ACCOUNTING	NEW YORK
CLARK	10	ACCOUNTING	NEW YORK
ENAME	DEPTNO	DNAME	LOC
JONES	10	ACCOUNTING	NEW YORK
MARTIN	10	ACCOUNTING	NEW YORK
ALLEN	10	ACCOUNTING	NEW YORK
TURNER	10	ACCOUNTING	NEW YORK
JAMES	10	ACCOUNTING	NEW YORK
WARD	10	ACCOUNTING	NEW YORK
FORD	10	ACCOUNTING	NEW YORK
SMITH	10	ACCOUNTING	NEW YORK

SCOTT		ACCOUNTING	NEW YORK
ADAMS	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK
KING	20	RESEARCH	DALLAS
BLAKE	20	RESEARCH	DALLAS
CLARK	20	RESEARCH	DALLAS
JONES	20	RESEARCH	DALLAS
MARTIN	20	RESEARCH	DALLAS
ALLEN	20	RESEARCH	DALLAS
ENAME	DEPTNO	DNAME	LOC
TURNER		RESEARCH	DALLAS
JAMES	20	RESEARCH	DALLAS
WARD	20	RESEARCH	DALLAS
FORD	20	RESEARCH	DALLAS
SMITH	20	RESEARCH	DALLAS
SCOTT	20	RESEARCH	DALLAS
ADAMS	20	RESEARCH	DALLAS
MILLER	20	RESEARCH	DALLAS
KING	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
CLARK	30	SALES	CHICAGO
JONES	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
ALLEN	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO
WARD	30	SALES	CHICAGO
ENAME	DEPTNO	DNAME	LOC
FORD		SALES	CHICAGO
SMITH	30	SALES	CHICAGO
SCOTT	30	SALES	CHICAGO
ADAMS	30	SALES	CHICAGO
MILLER	30	SALES	CHICAGO

56 rows selected.

SQL> SELECT ENAME, DEPT.DEPTNO, DNAME, LOC

- 2 FROM EMP , DEPT
- 3 WHERE EMP.DEPTNO=DEPT.DEPTNO;

ENAME	DEPTNO	DNAME	LOC
KING	10	ACCOUNTING	NEW YORK
CLARK	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK
ADAMS	20	RESEARCH	DALLAS
SCOTT	20	RESEARCH	DALLAS
SMITH	20	RESEARCH	DALLAS
FORD	20	RESEARCH	DALLAS

JONES	20	RESEARCH	DALLAS
WARD	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO
ALLEN	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO

14 rows selected.

SQL> SELECT ENAME, DEPT.DEPTNO, DNAME, LOC

- 2 FROM EMP CROSS JOIN DEPT
- 3 WHERE EMP.DEPTNO=DEPT.DEPTNO;

ENAME	DEPTNO	DNAME	LOC
KING	10	ACCOUNTING	NEW YORK
CLARK	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK
ADAMS	20	RESEARCH	DALLAS
SCOTT	20	RESEARCH	DALLAS
SMITH	20	RESEARCH	DALLAS
FORD	20	RESEARCH	DALLAS
JONES	20	RESEARCH	DALLAS
WARD	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO
ALLEN	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO

14 rows selected.

SQL> SELECT ENAME, DEPTNO, DNAME, LOC 2 FROM EMP NATURAL JOIN DEPT;

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

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 ENAME,
- 3 DEPT.DEPTNO,
- 4 DNAME,
- 5 LOC
- 6* FROM EMP NATURAL JOIN DEPT

SQL> /

DEPT.DEPTNO,

*

ERROR at line 3:

ORA-25155: column used in NATURAL join cannot have qualifier

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 EMP.ENAME,
- 3 DEPTNO,
- 4 DEPT.DNAME,
- 5 DEPT.LOC
- 6* FROM EMP NATURAL JOIN DEPT

SQL> /

ENAME DEP	TNO	DNAME	LOC
KING	10	ACCOUNTING	NEW YORK
CLARK	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK
ADAMS	20	RESEARCH	DALLAS
SCOTT	20	RESEARCH	DALLAS
SMITH	20	RESEARCH	DALLAS
FORD	20	RESEARCH	DALLAS
JONES	20	RESEARCH	DALLAS
WARD	30	SALES	CHICAGO
JAMES	30	SALES	CHICAGO
ALLEN	30	SALES	CHICAGO
MARTIN	30	SALES	CHICAGO
BLAKE	30	SALES	CHICAGO
TURNER	30	SALES	CHICAGO

14 rows selected.

SQL> ED

- 1 SELECT
- 2 EMP.ENAME,

- 3 EMP.JOB,
- 4 EMP.SAL,
- 5 DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP INNER JOIN DEPT
- 9* ON EMP.DEPTNO = DEPT.DEPTNO

SQL> /

DEPTNO,

*

ERROR at line 5:

ORA-00918: column ambiguously defined

SOL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,
- 4 EMP.SAL,
- 5 DEPT.DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP INNER JOIN DEPT
- 9* ON EMP.DEPTNO = DEPT.DEPTNO

SQL> /

ENAME	JOB	SAL D	EPTNO	DNAME	LOC
KING	PRESIDENT	5000	10	ACCOUNTING	NEW YORK
CLARK	MANAGER	2450	10	ACCOUNTING	NEW YORK
MILLER	CLERK	1300	10	ACCOUNTING	NEW YORK
ADAMS	CLERK	1100	20	RESEARCH	DALLAS
SCOTT	ANALYST	3000	20	RESEARCH	DALLAS
SMITH	CLERK	800	20	RESEARCH	DALLAS
FORD	ANALYST	3000	20	RESEARCH	DALLAS
JONES	MANAGER	2975	20	RESEARCH	DALLAS
WARD	SALESMAN	1250	30	SALES	CHICAGO
JAMES	CLERK	950	30	SALES	CHICAGO
ALLEN	SALESMAN	1600	30	SALES	CHICAGO
MARTIN	SALESMAN	1250	30	SALES	CHICAGO
BLAKE	MANAGER	2850	30	SALES	CHICAGO
TURNER	SALESMAN	1500	30	SALES	CHICAGO

14 rows selected.

SQL> ED

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,

- 4 EMP.SAL,
- 5 DEPT.DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP INNER JOIN DEPT
- 9* USING (DEPTNO)

SOL> /

DEPT.DEPTNO,

*

ERROR at line 5:

ORA-25154: column part of USING clause cannot have qualifier

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,
- 4 EMP.SAL,
- 5 DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP INNER JOIN DEPT
- 9* USING (DEPTNO)

SQL> /

ENAME	JOB	SAL	DEPTNO	DNAME	LOC
KING	PRESIDENT	5000	10	ACCOUNTING	NEW YORK
CLARK	MANAGER	2450	10	ACCOUNTING	NEW YORK
MILLER	CLERK	1300	10	ACCOUNTING	NEW YORK
ADAMS	CLERK	1100	20	RESEARCH	DALLAS
SCOTT	ANALYST	3000	20	RESEARCH	DALLAS
SMITH	CLERK A	800	20	RESEARCH	DALLAS
FORD	ANALYST	3000	20	RESEARCH	DALLAS
JONES	MANAGER	2975	20	RESEARCH	DALLAS
WARD	SALESMAN	1250	30	SALES	CHICAGO
JAMES	CLERK	950	30	SALES	CHICAGO
ALLEN	SALESMAN	1600	30	SALES	CHICAGO
MARTIN	SALESMAN	1250	30	SALES	CHICAGO
BLAKE	MANAGER	2850	30	SALES	CHICAGO
TURNER	SALESMAN	1500	30	SALES	CHICAGO

14 rows selected.

SOL> ED

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,
- 4 EMP.SAL,

- 5 DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP JOIN DEPT
- 9* USING (DEPTNO)

SQL> /

JOB	SAL	DEPTNO	DNAME	LOC
PRESIDENT	5000	10	ACCOUNTING	NEW YORK
MANAGER	2450	10	ACCOUNTING	NEW YORK
CLERK	1300	10	ACCOUNTING	NEW YORK
CLERK	1100	20	RESEARCH	DALLAS
ANALYST	3000	20	RESEARCH	DALLAS
CLERK	800	20	RESEARCH	DALLAS
ANALYST	3000	20	RESEARCH	DALLAS
MANAGER	2975	20	RESEARCH	DALLAS
SALESMAN	1250	30	SALES	CHICAGO
CLERK	950	30	SALES 4	CHICAGO
SALESMAN	1600	30	SALES	CHICAGO
SALESMAN	1250	30	SALES	CHICAGO
MANAGER	2850	30	SALES	CHICAGO
SALESMAN	1500	30	SALES	CHICAGO
	PRESIDENT MANAGER CLERK CLERK ANALYST CLERK ANALYST MANAGER SALESMAN CLERK SALESMAN SALESMAN MANAGER	PRESIDENT 5000 MANAGER 2450 CLERK 1300 CLERK 1100 ANALYST 3000 CLERK 800 ANALYST 3000 MANAGER 2975 SALESMAN 1250 CLERK 950 SALESMAN 1600 SALESMAN 1250 MANAGER 2850	PRESIDENT 5000 10 MANAGER 2450 10 CLERK 1300 10 CLERK 1100 20 ANALYST 3000 20 CLERK 800 20 ANALYST 3000 20 MANAGER 2975 20 SALESMAN 1250 30 CLERK 950 30 SALESMAN 1600 30 SALESMAN 1250 30 MANAGER 2850 30	PRESIDENT 5000 10 ACCOUNTING MANAGER 2450 10 ACCOUNTING CLERK 1300 10 ACCOUNTING CLERK 1100 20 RESEARCH ANALYST 3000 20 RESEARCH CLERK 800 20 RESEARCH ANALYST 3000 20 RESEARCH MANAGER 2975 20 RESEARCH SALESMAN 1250 30 SALES CLERK 950 30 SALES SALESMAN 1600 30 SALES SALESMAN 1250 30 SALES MANAGER 2850 30 SALES

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,
- 4 EMP.SAL,
- 5 DEPTNO,
- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP JOIN DEPT
- 9* ON EMP.DEPTNO = DEPT.DEPTNO

SQL> /

DEPTNO,

*

ERROR at line 5:

ORA-00918: column ambiguously defined

SQL> ED

- 1 SELECT
- 2 EMP.ENAME,
- 3 EMP.JOB,
- 4 EMP.SAL,
- 5 DEPT.DEPTNO,

- 6 DEPT.DNAME,
- 7 DEPT.LOC
- 8 FROM EMP JOIN DEPT
- 9* ON EMP.DEPTNO = DEPT.DEPTNO

SQL> /

ENAME	JOB	SAL	DEPTNO	DNAME	LOC
KING	PRESIDENT	5000	10	ACCOUNTING	NEW YORK
CLARK	MANAGER	2450	10	ACCOUNTING	NEW YORK
MILLER	CLERK	1300	10	ACCOUNTING	NEW YORK
ADAMS	CLERK	1100	20	RESEARCH	DALLAS
SCOTT	ANALYST	3000	20	RESEARCH	DALLAS
SMITH	CLERK	800	20	RESEARCH	DALLAS
FORD	ANALYST	3000	20	RESEARCH	DALLAS
JONES	MANAGER	2975	20	RESEARCH	DALLAS
WARD	SALESMAN	1250	30	SALES	CHICAGO
JAMES	CLERK	950	30	SALES	CHICAGO
ALLEN	SALESMAN	1600	30	SALES 4	CHICAGO
MARTIN	SALESMAN	1250	30	SALES	CHICAGO
BLAKE	MANAGER	2850	30	SALES	CHICAGO
TURNER	SALESMAN	1500	30	SALES	CHICAGO

14 rows selected.

SQL> SELECT

- 2 E.Ename EmpName,
- 3 M.Ename MGRName
- 4 FROM Emp E INNER JOIN Emp M
- 5 ON E.MGR = M.Empno;

EMPNAM MGRNAME

SCOTT JONES
FORD JONES
JAMES BLAKE
WARD BLAKE
TURNER BLAKE
ALLEN BLAKE
MARTIN BLAKE
MILLER CLARK
ADAMS SCOTT
BLAKE KING
CLARK KING
JONES KING
SMITH FORD

13 rows selected.

SQL> SELECT

- 2 Ename,
- 3 Job,
- 4 Dname,

- 5 Loc,
- 6 Grade
- 7 From Emp E INNER JOIN Dept D
- 8 ON E.Deptno = D.Deptno
- 9 INNER JOIN SalGrade S
- 10 ON E.Sal BETWEEN S.LoSal AND S.HiSal;

ENAME	JOB	DNAME	LOC	GRADE
KING	PRESIDENT	ACCOUNTING	NEW YORK	5
FORD	ANALYST	RESEARCH	DALLAS	4
SCOTT	ANALYST	RESEARCH	DALLAS	4
JONES	MANAGER	RESEARCH	DALLAS	4
BLAKE	MANAGER	SALES	CHICAGO	4
CLARK	MANAGER	ACCOUNTING	NEW YORK	4
ALLEN	SALESMAN	SALES	CHICAGO	3
TURNER	SALESMAN	SALES	CHICAGO	3
MILLER	CLERK	ACCOUNTING	NEW YORK	2
WARD	SALESMAN	SALES	CHICAGO 4	2
MARTIN	SALESMAN	SALES	CHICAGO	2
ADAMS	CLERK	RESEARCH	DALLAS	1
JAMES	CLERK	SALES	CHICAGO	1
SMITH	CLERK	RESEARCH	DALLAS	1

14 rows selected.

SQL> SELECT ENAME, SAL, GRADE, DEPTNO, DNAME

- 2 FROM EMP NATURAL JOIN DEPT
- 3 JOIN SALGRADE
- 4 ON EMP.SAL BETWEEN LOSAL AND HISAL;

ENAME	SAL	GRADE	DEPTNO	DNAME
	5000			
KING	5000	5	10	ACCOUNTING
FORD	3000	4	20	RESEARCH
SCOTT	3000	4	20	RESEARCH
JONES	2975	4	20	RESEARCH
BLAKE	2850	4	30	SALES
CLARK	2450	4	10	ACCOUNTING
ALLEN	1600	3	30	SALES
TURNER	1500	3	30	SALES
MILLER	1300	2	10	ACCOUNTING
WARD	1250	2	30	SALES
MARTIN	1250	2	30	SALES
ADAMS	1100	1	20	RESEARCH
JAMES	950	1	30	SALES
SMITH	800	1	20	RESEARCH

14 rows selected.

SQL> SELECT ENAME, SAL, GRADE, DEPTNO, DNAME

- 2 FROM EMP INNER JOIN DEPT
- 3 USING (DEPTNO)

- 4 JOIN SALGRADE
- 5 ON EMP.SAL BETWEEN LOSAL AND HISAL;

ENAME	SAL	GRADE	DEPTNO	DNAME
			1.0	7. COOLINEEDIC
KING	5000	5	10	ACCOUNTING
FORD	3000	4	20	RESEARCH
SCOTT	3000	4	20	RESEARCH
JONES	2975	4	20	RESEARCH
BLAKE	2850	4	30	SALES
CLARK	2450	4	10	ACCOUNTING
ALLEN	1600	3	30	SALES
TURNER	1500	3	30	SALES
MILLER	1300	2	10	ACCOUNTING
WARD	1250	2	30	SALES
MARTIN	1250	2	30	SALES
ADAMS	1100	1	20	RESEARCH
JAMES	950	1	30	SALES
SMITH	800	1	20	RESEARCH

14 rows selected.

SQL> SELECT

- 2 Ename, 3 D.Dname,
- 4 Loc
- 5 FROM Emp E RIGHT JOIN DEPT D
- 6 ON E.Deptno = D.Deptno;

ENAME	DNAME	LOC
KING	ACCOUNTING	NEW YORK
CLARK	ACCOUNTING	NEW YORK
MILLER	ACCOUNTING	NEW YORK
ADAMS	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
FORD	RESEARCH	DALLAS
JONES	RESEARCH	DALLAS
WARD	SALES	CHICAGO
JAMES	SALES	CHICAGO
ALLEN	SALES	CHICAGO
MARTIN	SALES	CHICAGO
BLAKE	SALES	CHICAGO
TURNER	SALES	CHICAGO
	OPERATIONS	BOSTON

15 rows selected.

SQL> SELECT

- 2 Ename,
- 3 D.Dname,
- 4 Loc

- 5 FROM Emp E RIGHT OUTER JOIN DEPT D
- 6 ON E.Deptno = D.Deptno;

ENAME	DNAME	LOC
KING	ACCOUNTING	NEW YORK
CLARK	ACCOUNTING	NEW YORK
MILLER	ACCOUNTING	NEW YORK
ADAMS	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
FORD	RESEARCH	DALLAS
JONES	RESEARCH	DALLAS
WARD	SALES	CHICAGO
JAMES	SALES	CHICAGO
ALLEN	SALES	CHICAGO
MARTIN	SALES	CHICAGO
BLAKE	SALES	CHICAGO
TURNER	SALES	CHICAGO
	OPERATIONS	BOSTON

15 rows selected.

SQL> SELECT

- 2 Ename,
- 3 D.Dname,
- 4 Loc
- 5 FROM DEPT D RIGHT OUTER JOIN Emp
- 6 ON E.Deptno = D.Deptno;

ENAME	DNAME	LOC
		
MILLER	ACCOUNTING	NEW YORK
CLARK	ACCOUNTING	NEW YORK
KING	ACCOUNTING	NEW YORK
ADAMS	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
FORD	RESEARCH	DALLAS
JONES	RESEARCH	DALLAS
WARD	SALES	CHICAGO
JAMES	SALES	CHICAGO
TURNER	SALES	CHICAGO
ALLEN	SALES	CHICAGO
MARTIN	SALES	CHICAGO
BLAKE	SALES	CHICAGO

14 rows selected.

SQL> SELECT

- 2 Ename,
- 3 D.Dname,
- 4 Loc

- 5 FROM DEPT D LEFT OUTER JOIN Emp E
- 6 ON E.Deptno = D.Deptno;

ENAME	DNAME	LOC
KING	ACCOUNTING	NEW YORK
CLARK	ACCOUNTING	NEW YORK
MILLER	ACCOUNTING	NEW YORK
ADAMS	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
FORD	RESEARCH	DALLAS
JONES	RESEARCH	DALLAS
WARD	SALES	CHICAGO
JAMES	SALES	CHICAGO
ALLEN	SALES	CHICAGO
MARTIN	SALES	CHICAGO
BLAKE	SALES	CHICAGO
TURNER	SALES	CHICAGO
	OPERATIONS	BOSTON

15 rows selected.

SQL> SELECT

- 2 Ename,
- 3 D.Dname,
- 4 Loc
- 5 FROM DEPT D FULL OUTER JOIN Emp E
- 6 ON E.Deptno = D.Deptno;

ENAME	DNAME	LOC
KING	ACCOUNTING	NEW YORK
BLAKE	SALES	CHICAGO
CLARK	ACCOUNTING	NEW YORK
JONES	RESEARCH	DALLAS
MARTIN	SALES	CHICAGO
ALLEN	SALES	CHICAGO
TURNER	SALES	CHICAGO
JAMES	SALES	CHICAGO
WARD	SALES	CHICAGO
FORD	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
ADAMS	RESEARCH	DALLAS
MILLER	ACCOUNTING	NEW YORK
	OPERATIONS	BOSTON

15 rows selected.

SQL> ED

- 1 SELECT
- 2 Ename,
- 3 D.Dname,
- 4 Loc
- 5 FROM Emp E FULL OUTER JOIN DEPT D
- 6* ON E.Deptno = D.Deptno

SOL> /

ENAME	DNAME	LOC
KING	ACCOUNTING	NEW YORK
BLAKE	SALES	CHICAGO
CLARK	ACCOUNTING	NEW YORK
JONES	RESEARCH	DALLAS
MARTIN	SALES	CHICAGO
ALLEN	SALES	CHICAGO
TURNER	SALES	CHICAGO
JAMES	SALES	CHICAGO
WARD	SALES	CHICAGO
FORD	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
ADAMS	RESEARCH	DALLAS
MILLER	ACCOUNTING	NEW YORK
	OPERATIONS	BOSTON

15 rows selected.

SQL> SPOOL OFF