INNER JOIN / EQUI JOIN

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SYNTAX:

ANSI:

SELECT \*

FROM TABLE\_NAME1 INNER JOIN TABLE\_NAME2

ON <JOIN\_CONDITION>;

ORACLE:

SELECT \*

FROM TABLE\_NAME1 , TABLE\_NAME2

WHERE <JOIN\_CONDITION>;

JOIN\_CONDITION: TABLE\_NAME1.COL\_NAME=TABLE\_NAME2.COL\_NAME

QUESTIONS:

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1. NAME OF THE EMPLOYEE AND HIS LOCATION OF ALL THE EMPLOYEES.

A:

SELECT ENAME, LOC

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO;

1. WAQTD DNAME AND SALARY FOR ALL THE EMPLOYEE WORKING IN ACCOUNTING.

A:

SELECT DNAME, SAL

FROM DEPT D, EMP E

WHERE D.DEPTNO=E.DEPTNO

AND DNAME IN 'ACCOUNTING';

1. WAQTD DNAME AND ANNUAL SALARY FOR ALL EMPLOYEES WHOS SALARY IS MORE THAN 2340

A:

SELECT DNAME, SAL\*12 AN\_SAL

FROM EMP E, DEPT D

WHERE D.DEPTNO=E.DEPTNO

AND SAL>2340;

1. WAQTD ENAME AND DNAME FOR EMPLOYEES HAVING CHARACTER 'A' IN

THEIR DNAME

A:

SELECT ENAME, DNAME

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND DNAME LIKE '% A %';

1. WAQTD ENAME AND DNAME FOR ALL THE EMPLOYEES WORKING AS

SALESMAN

A:

SELECT ENAME, DNAME

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND JOB IN 'SALESMAN';

1. WADTD DNAME AND JOB FOR ALL THE EMPLOYEES WHOS JOB AND DNAME STARTS WITH CHARACTER 'S'

A:

SELECT DNAME , JOB

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPT

AND JOB LIKE 'S%'

AND DNAME LIKE '%S';

1. WAQTD DNAME AND MGR NO FOR EMPLOYEES REPORTING TO 7839

A:

SELECT DNAME, MGR

FROM DEPT D, EMP E

WHERE D.DEPTNO=E.DEPTNO

AND MGR=7839;

1. WAQTD DNAME AND HIREDATE FOR EMPLOYEES HIRED AFTER 83 INTO

ACCOUNTING OR RESEARCH DEPT

A:

SELECT DNAME, HIREDATE

FROM DEPT D, EMP E

WHERE D.DEPTNO=E.DEPTNO

AND HIREDATE >'31-DEC-83'

AND DNAME IN ( 'ACCOUNTING', 'RESEARCH');

1. WAQTD ENAME AND DNAME OF THE EMPLOYEES WHO ARE GETTING COMM IN DEPT 10 OR 30

A:

SELECT ENAME, DNAME

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND COMM IS NOT NULL

AND E.DEPTNO IN (10, 30);

1. WAQTD DNAME AND EMPNO FOR ALL THE EMPLOYEES WHO'S EMPNO ARE (7839,7902) AND ARE WORKING IN LOC NEW YORK.

A:

SELECT EMPNO, DNAME

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND EMPNO IN (7839, 7902)

AND LOC IN 'NEW YORK';

1. WAQTD LOC AND AVERAGE SALARY GIVEN FOR EACH LOCATION BY EXCLUDING ALL THE EMPLOYEES WHOS SECOND CHAR IS A IN THEIR NAME

A:

SELECT LOC , AVG(SAL)

FROM DEPT D, EMP E

WHERE D.DEPTNO=E.DEPTNO

AND ENAME NOT LIKE '\_A%'

GROUP BY LOC;

1. WAQTD NAME OF THE EMP AND HIS LOC IF EMPLOYEE IS WORKING AS

MANAGER AND WORKING UNDER THE EMPLOYEE WHOS EMPNO IS 7839

A:

SELECT ENAME, LOC

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND JOB IN 'MANAGER'

AND MGR=7839;

1. WAQTD DNAME AND EMPLOYEE ID'S OF ALL THE EMPLOYEES WHO ARE CLERKS AND HAVING REPORTING MANAGERS.

A:

SELECT DNAME, EMPNO

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND JOB IN 'CLERK'

AND MGR IS NOT NULL ;

1. WAQTD DNAME AND TOTAL SALARY GIVEN TO THAT DEPT IF THERE ARE ATLEAST 4 EMPLOYEES WORKING FOR EACH DEPT.

A:

SELECT DNAME, SUM (SAL)

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

GROUP BY DNAME

HAVING COUNT (\*) >=4;

1. WAQTD DNAME AND NUMBER OF EMPLOYEES WORKING IN EACH DEPT ONLY IF THERE ARE MANAGER OR CLERKS.

A:

SELECT DNAME, COUNT(\*)

FROM EMP E, DEPT D

WHERE E.DEPTNO=D.DEPTNO

AND JOB IN ('MANAGER' , 'CLERK')

GROUP BY DNAME;