

Review of Joins

Objective

- Determine the correct join syntax to use given a scenario requiring the join of data from two or more tables.

Try It / Solve It

LAST_NAME	SID	MID
Abernathy	349	Null
Avery	342	Null
Barnaby	1420	349
Chang	555	349
Dixon	554	349
Evans	873	342
Franco	1933	342
Gallaway	943	349

STUDENTS

COURSES	CID
Oracle_Internet_Academy_DM	101
Oracle_Internet_Academy_Java	102
Oracle_Internet_Academy_Java	103

COURSES

SID	CID
1420	101
555	101
554	101
873	102
342	103
349	103
943	103
1933	103

ENROLLED

1. Use the three tables shown above to answer the following questions:

a. What kind of join would you use to join all three tables? _____

Write the syntax that would produce the desired result.

b. Name two tables that could be used to retrieve data from a natural join.

Write the syntax that would produce the desired result.

c. What kind of join would you use to return only those students who have mentors?

Write the syntax that would produce the desired result.

d. What kind of join would you use to return all students whether they have a mentor or not.

Write the syntax that would produce the desired result.

2. List the different join types that could be used to (from the Human Resources database), for the outer joins include the syntax:

a. return all matching cities and countries

b. return all matching cities and countries including those cities that do not have countries listed.

c return a list of employees and their job titles

d. return all matching cities, departments and employee names

e. return all cities, departments and employee names including all employees without a department, all departments without an employee