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Coding Activity 05

Q1. SELECT Professors.name, Departments.name

FROM Professors

INNER JOIN Departments ON Professors.department_id = Departments.id;

Q 2. SELECT Professors.name, Departments.name

FROM Professors

LEFT JOIN Departments ON Professors.department_id = Departments.id;

Q 3. SELECT Departments.name AS DepartmentName, Professors.name AS ChairmanName

FROM Departments

RIGHT JOIN Professors ON Departments.chairman_id = Professors.id;

Q 4. SELECT Professors.name AS ProfessorName, Departments.name AS DepartmentName

FROM Professors

FULL OUTER JOIN Departments ON Professors.department_id = Departments.id;

Q 5. SELECT p1.name AS SupervisorName, p2.name AS SubordinateName

FROM Professors p1

JOIN Professors p2 ON p1.id = p2.supervisor_id AND p1.department_id = p2.department_id;

Q 6. SELECT Profs.name AS ProfessorName, Depts.name AS DepartmentName, Projs.project_name

-- (Assuming there is another table 'Projects' which has columns 'manager_id' referring to professor's id)

FROM Professors Profs

JOIN Departments Depts ON Profs.department_id = Depts.id

JOIN Projects Projs ON Profs.id = Projs.manager_id;