**Student Questions on JOIN**

**Level 1 – Basic JOINs**

**Topic:** Foundation of INNER, LEFT, RIGHT JOIN.

1. **List employees and their managers** Show each employee’s name with the name of their manager (from managers table)

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1. **List all projects with their departments**Display each project name along with its department name.

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1. **List all employees with department and project (if any)**Show employee name, department name, and project name. Include employees without projects.

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**Level 2 – Multi-table JOINs**

**Topic:** Combining more than two tables.

1. **List** employees **with their project count**For each employee, show how many projects they are assigned to.

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1. **Projects and Headcounts**Show each project, its department, and how many employees are assigned to it.

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1. **List projects with average employee salary**For each project, show the project name and the average salary of employees assigned to it.

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**Level 3 – Advanced JOIN Scenarios**

1. **Department Project Counts**Show each department with the number of projects it owns. Sort descending.

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1. **Cross-Department Assignments (Resource Planning) (Advanced)**Find employees who are assigned to projects outside their own department.

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