

# SQL Database for Beginners

## Lab Exercise 7

1) Write a query returning staff details with all records in the projectperson table.

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2) Write a query returning the names of staff per project in the projectperson table.

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3) Improve the output of the previous query by sorting and removing duplicates.

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4) Extend the previous query to include the project name.

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5) Extend the previous query to also output the role of each person within the respective project.

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6) Extend the previous query to also output the name of the manager of each person in the respective project.

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7) Write a query returning a list of persons including, if assigned, their respective manager.

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**Note: Using inner joins here results in records without manager assignment to be excluded.**

8) Combine the previous two queries to ensure persons without manager assignment are included in the result.

**Tip:** Before including the outer join rebuild the query from step 5. Then extend with the outer join to add the manager.

9) Write a query returning a list of projects in the project table that have no staff assigned.

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