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Data Immersion 3.8

Performing Subqueries

**Step 1: Find the average amount paid by the top 5 customers.**

A screenshot of a computer program

AI-generated content may be incorrect.

**Step 2: Find out how many of the top 5 customers you identified in step 1 are based within each country.**

A screenshot of a computer

AI-generated content may be incorrect.

1. Write 1 to 2 short paragraphs on the following:
   * Do you think steps 1 and 2 could be done without using subqueries?
   * When do you think subqueries are useful?

While it’s possible to complete steps 1 and 2 without using subqueries, doing so would likely make the queries harder to understand. Subqueries help organize the logic by breaking it into smaller, more manageable parts. In Step 1, for example, the subquery calculates how much each customer spent, selects the top 5 customers, and then the main query finds their average payment. Without a subquery, all of this would have to be done in one large query, which would be difficult to follow. Subqueries are helpful when you need to perform a calculation or filter data before using it in a larger query. They allow you to focus on one task at a time, making your code cleaner and easier to read.