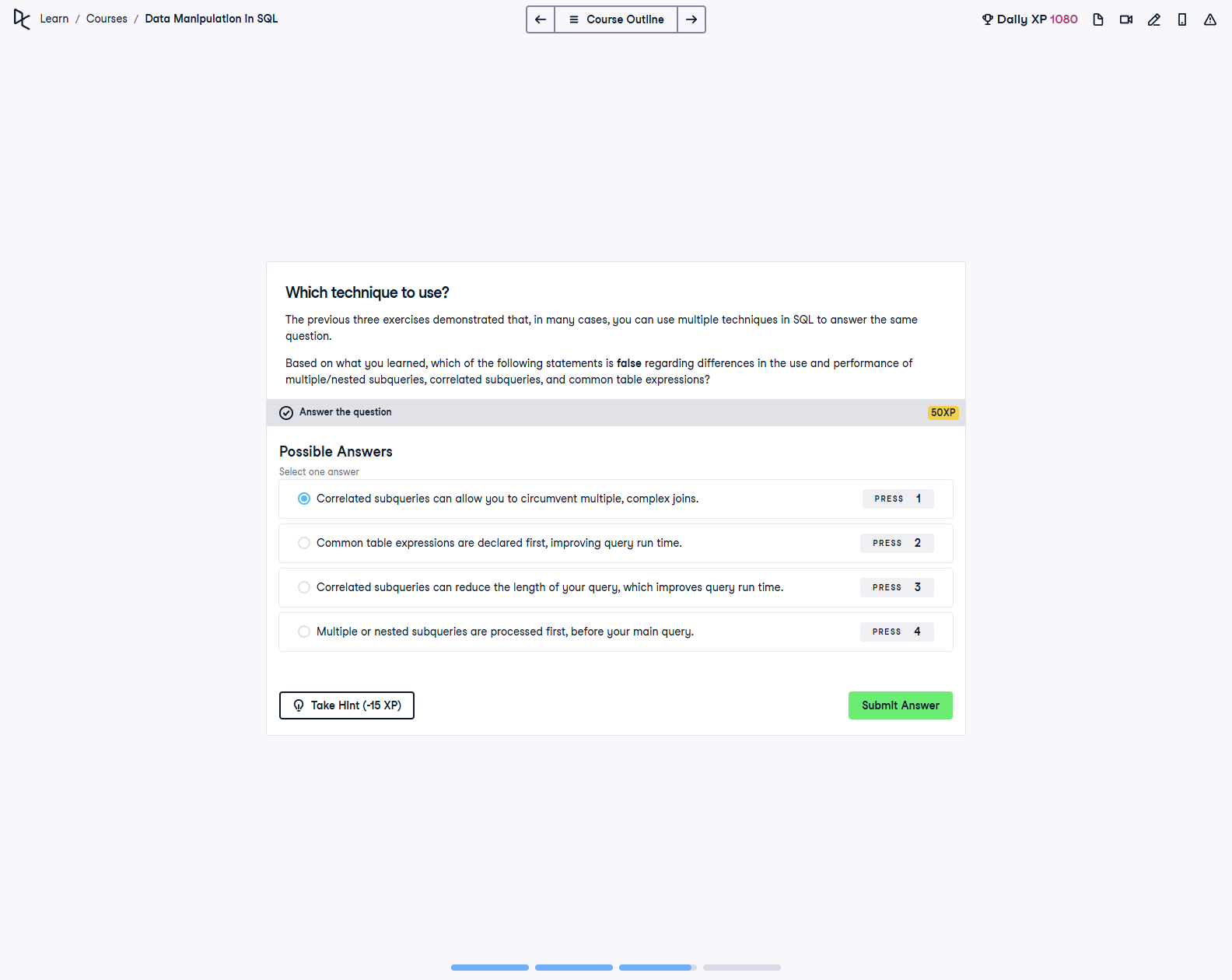
# Which Technique to Use? Correct Answer



## Question

Which of the following statements is false regarding differences in the use and performance of multiple/nested subqueries, correlated subqueries, and common table expressions?

### Options:

1. Correlated subqueries can allow you to circumvent multiple, complex joins.

2. Common table expressions are declared first, improving query run time.

3. Correlated subqueries can reduce the length of your query, which improves query run time.

4. Multiple or nested subqueries are processed first, before your main query.

## Correct Answer:

3. Correlated subqueries can reduce the length of your query, which improves query run time.

## Explanation:

This statement is false because while correlated subqueries may reduce the visual length of a query, they can significantly slow down query execution. This is because the subquery is executed once for each row in the main query, making it computationally expensive.   
  
True Statements:  
- Correlated subqueries can help avoid multiple, complex joins.  
- Common table expressions (CTEs) are declared first, making queries more organized and sometimes improving run time.  
- Multiple or nested subqueries are processed first as they provide input for the main query.