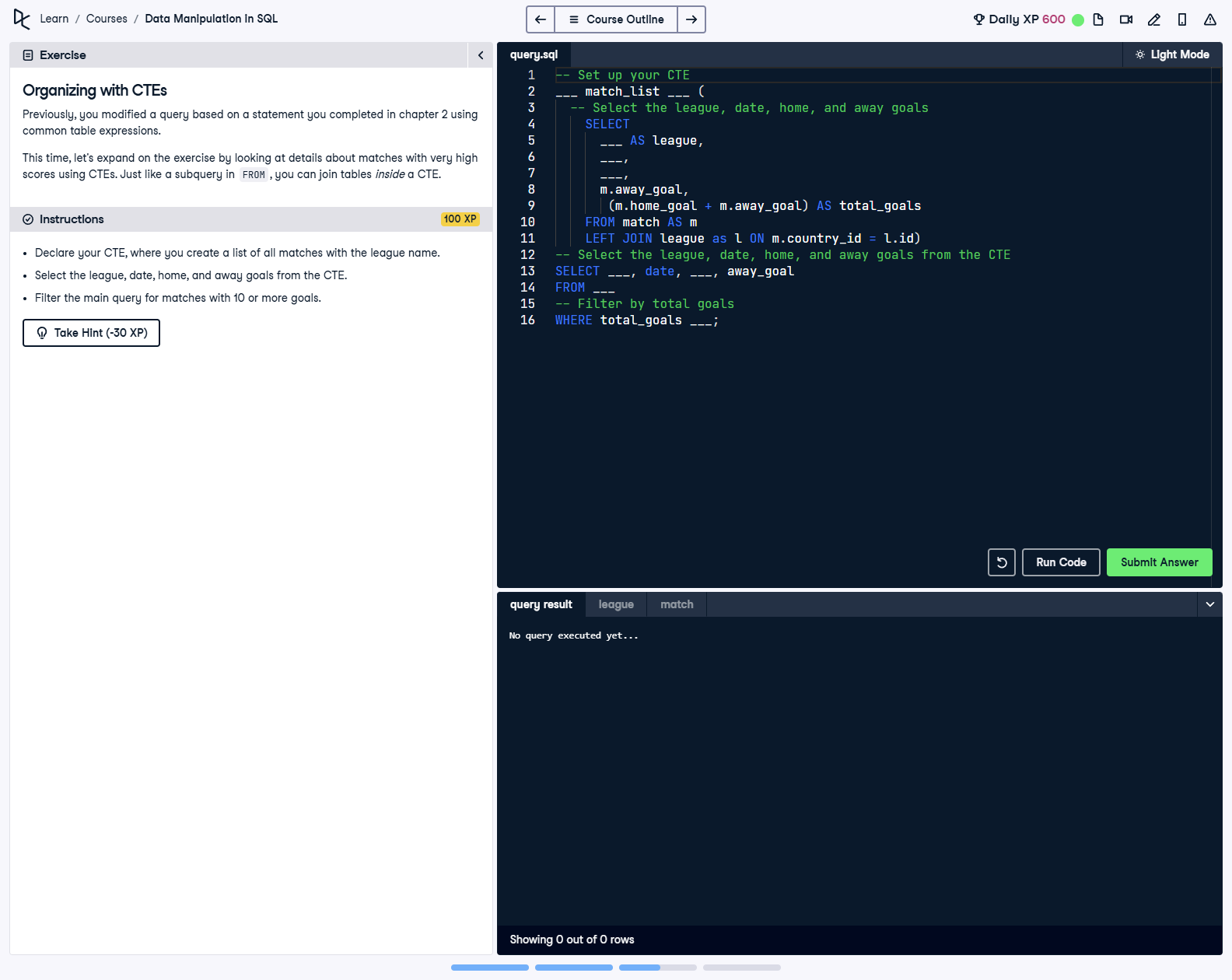
# Organizing with CTEs



## Question

1. Declare your CTE, where you create a list of all matches with the league name.  
  
2. Select the league, date, home, and away goals from the CTE.  
  
3. Filter the main query for matches with 10 or more total goals.

## Corrected Solution

-- Set up your CTE  
WITH match\_list AS (  
 -- Select the league, date, home, and away goals  
 SELECT  
 l.name AS league,  
 m.date,  
 m.home\_goal,  
 m.away\_goal,  
 (m.home\_goal + m.away\_goal) AS total\_goals  
 FROM match AS m  
 LEFT JOIN league AS l  
 ON m.country\_id = l.id  
)  
-- Select the league, date, home, and away goals from the CTE  
SELECT  
 league,  
 date,  
 home\_goal,  
 away\_goal  
FROM match\_list  
-- Filter by total goals  
WHERE total\_goals >= 10;

## Explanation

This query uses a Common Table Expression (CTE) named match\_list to organize data logically. The CTE joins the match table with the league table to include the league name. It calculates the total goals (home + away) for each match and includes relevant match details. The main query filters the results to show only matches with 10 or more total goals, simplifying analysis.