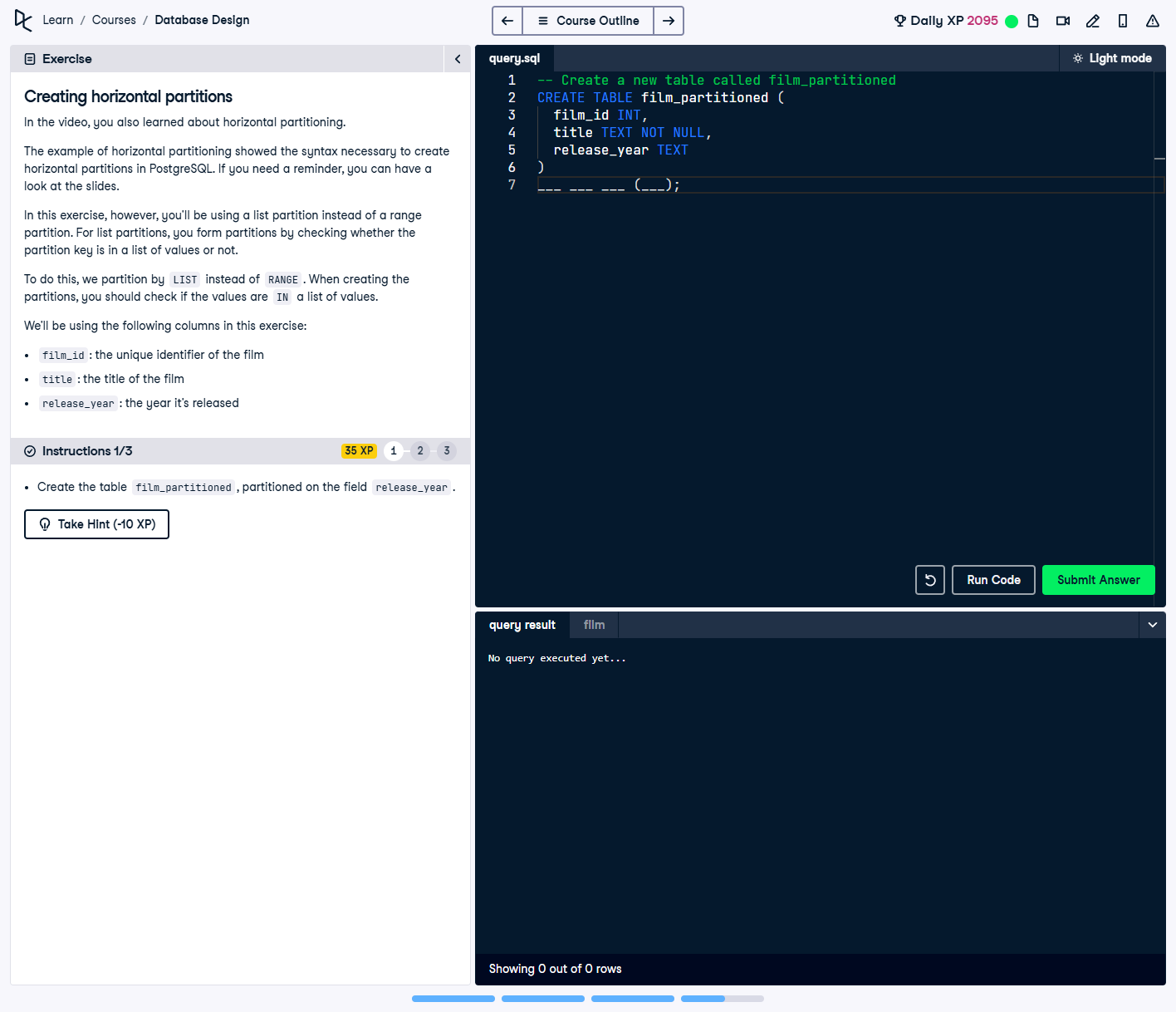
# Creating Horizontal Partitions in SQL



## Question:

In this exercise, you need to create a table `film\_partitioned`, partitioned on the field `release\_year`. You'll be using \*\*list partitioning\*\*, where data is divided based on a predefined list of values.

## Full Answer (SQL Code):

-- Create a new partitioned table called film\_partitioned  
CREATE TABLE film\_partitioned (  
 film\_id INT,  
 title TEXT NOT NULL,  
 release\_year TEXT  
) PARTITION BY LIST (release\_year);  
  
-- Create partitions for specific years  
CREATE TABLE film\_2020 PARTITION OF film\_partitioned FOR VALUES IN ('2020');  
CREATE TABLE film\_2021 PARTITION OF film\_partitioned FOR VALUES IN ('2021');  
CREATE TABLE film\_other PARTITION OF film\_partitioned DEFAULT;

## Explanation of the Answer:

The `CREATE TABLE` statement defines `film\_partitioned` as a partitioned table using `LIST` partitioning on `release\_year`. Partitions `film\_2020` and `film\_2021` store data for specific years, while `film\_other` handles any remaining values not explicitly listed.