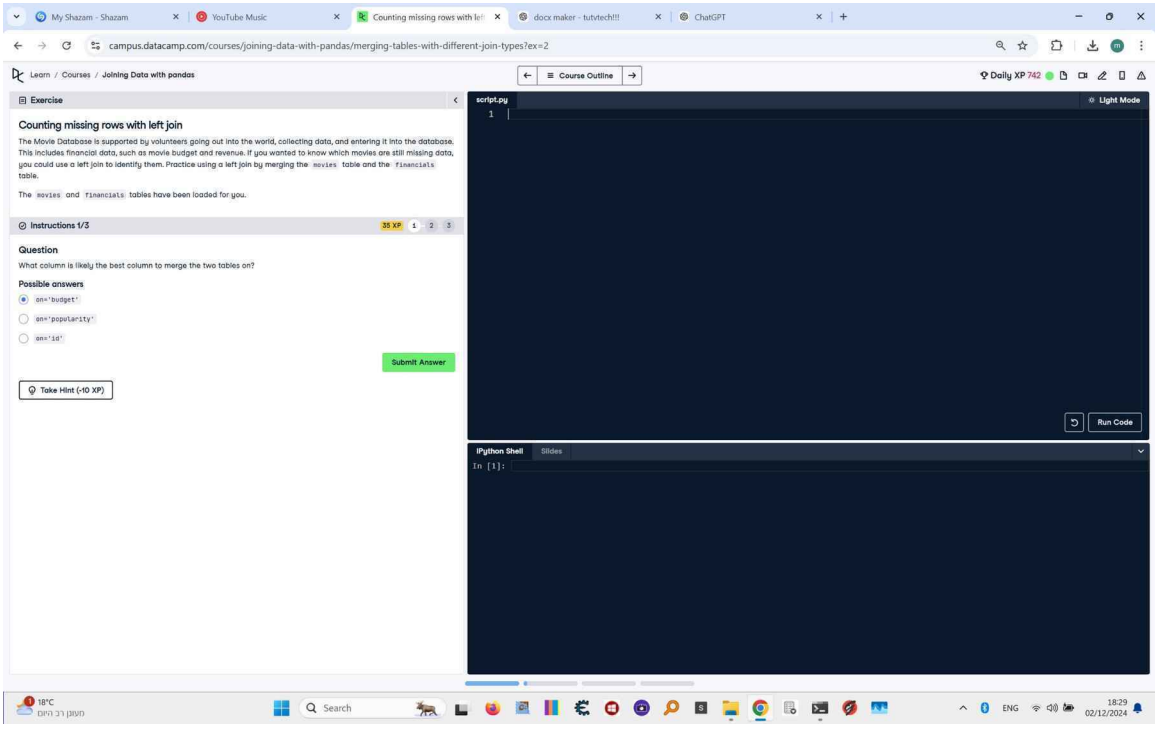
Counting Missing Rows with Left Join



Question:

The Movie Database is supported by volunteers collecting and entering data into the database. This data includes financial information such as movie budgets and revenue. If you want to know which movies are still missing data, you can use a left join to identify them. Merge the `movies` and `financials` tables.

Instructions:

1. Determine the best column to merge the two tables (`movies` and `financials`) on.
2. Choose the correct option from the possible answers:
   - `on='budget'`
   - `on='popularity'`
   - `on='id'`

Answer:

The best column to merge the `movies` and `financials` tables on is `on='id'`.
This is because `id` uniquely identifies each movie across both tables, making it the most reliable key for merging the datasets.

Explanation of the Answer:

1. `on='id'`: The `id` column is a unique identifier for movies in both the `movies` and `financials` tables. Using this column ensures that the data from both tables is correctly matched for each movie.

2. `on='budget'`: This column represents the budget of a movie, which is not unique. Using it for merging could result in incorrect matches or duplicated data.

3. `on='popularity'`: This column indicates how popular a movie is, which is also not unique. It is unsuitable for merging as it does not uniquely identify movies.