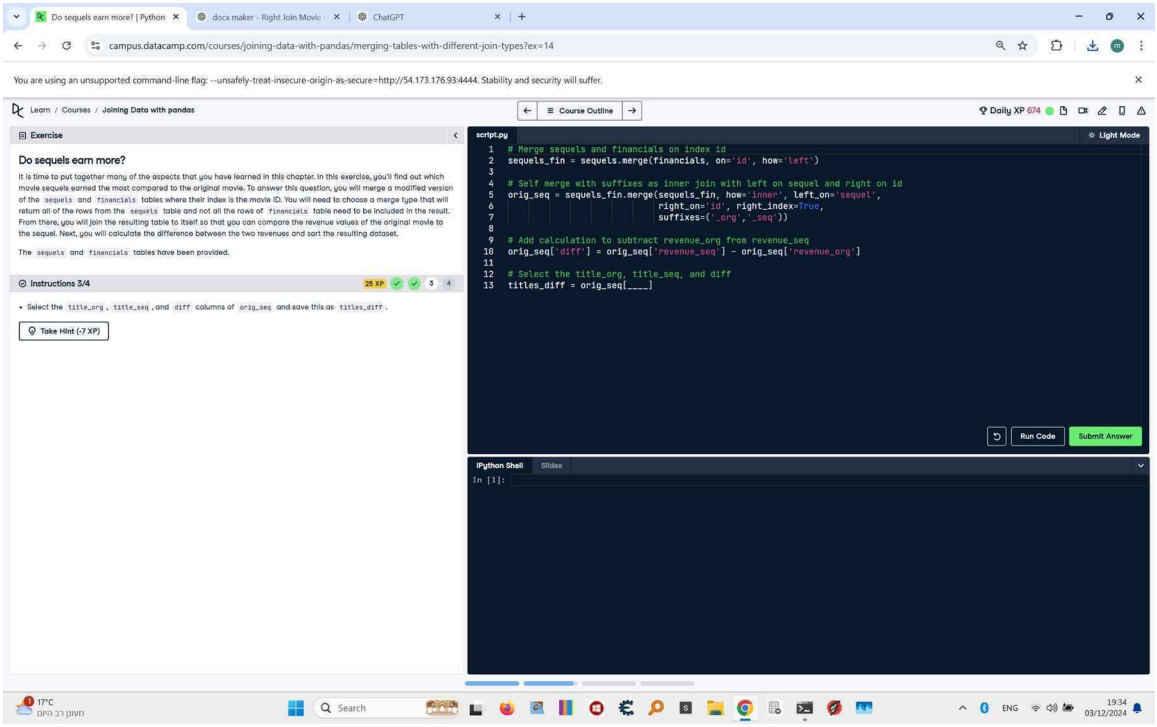
Do Sequels Earn More? - Selecting Specific Columns



Screenshot showing the exercise context for selecting specific columns after merging sequels and financials.

Code Answer:

```
# Merge sequels and financials on index id
sequels_fin = sequels.merge(financials, on='id', how='left')

# Self merge with suffixes as inner join with left on sequel and right on id
orig_seq = sequels_fin.merge(sequels_fin, how='inner', left_on='sequel',
                             right_on='id', right_index=True,
                             suffixes=('_org','_seq'))

# Add calculation to subtract revenue_org from revenue_seq
orig_seq['diff'] = orig_seq['revenue_seq'] - orig_seq['revenue_org']

# Select the title_org, title_seq, and diff columns
titles_diff = orig_seq[['title_org', 'title_seq', 'diff']]

# Print the resulting DataFrame
print(titles_diff)
```

Explanation:

1. The first step merges the 'sequels' table with the 'financials' table on the 'id' column using a left join, ensuring all rows from the 'sequels' table are included.

2. A self join is then performed on the resulting DataFrame ('sequels_fin') using the 'sequel' column on the left and the 'id' column on the right. The `suffixes=('_org', '_seq')` parameter is used to differentiate columns for the original movie and its sequel.

3. The 'diff' column is created by calculating the difference in revenue between the sequel and the original movie.

4. Finally, the required columns ('title_org', 'title_seq', and 'diff') are selected and stored in the 'titles_diff' DataFrame. This subset shows the titles of the original movies and their sequels, along with the revenue difference.