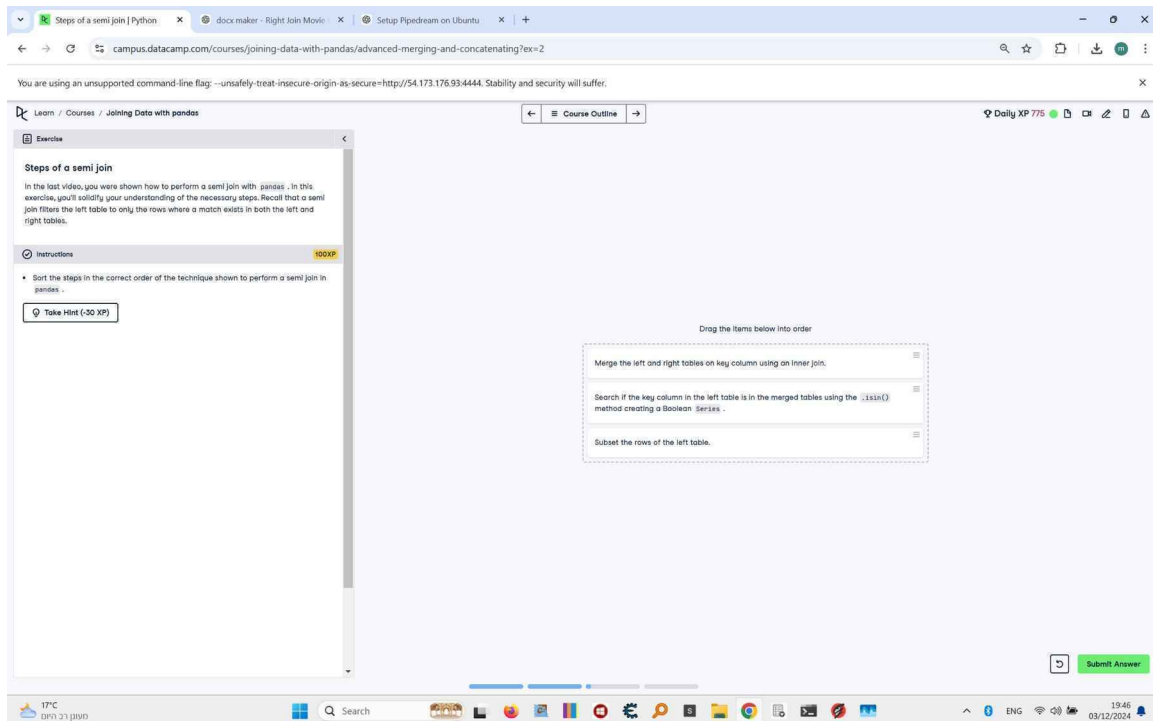


## Steps of a Semi Join in Pandas



Screenshot showing the exercise context for performing a semi join in pandas.

### Correct Order of Steps:

1. Merge the left and right tables on the key column using an inner join.
2. Search if the key column in the left table is in the merged tables using the `.isin()` method creating a Boolean Series.
3. Subset the rows of the left table.

### Explanation:

A semi join in pandas involves filtering rows from the left table where there is a match in the right table based on a common key column. This technique is useful for retaining rows in the left table that meet certain criteria defined in the right table.

**Step 1:** Perform an inner join on the key column to combine rows where the key exists in both tables. This helps identify matches between the two tables.

**Step 2:** Use the `.isin()` method on the key column of the left table to check if it is present in the merged result. This creates a Boolean Series indicating which rows should be retained.

Step 3: Filter or subset the left table using the Boolean Series to retain only the rows where the key exists in the right table.