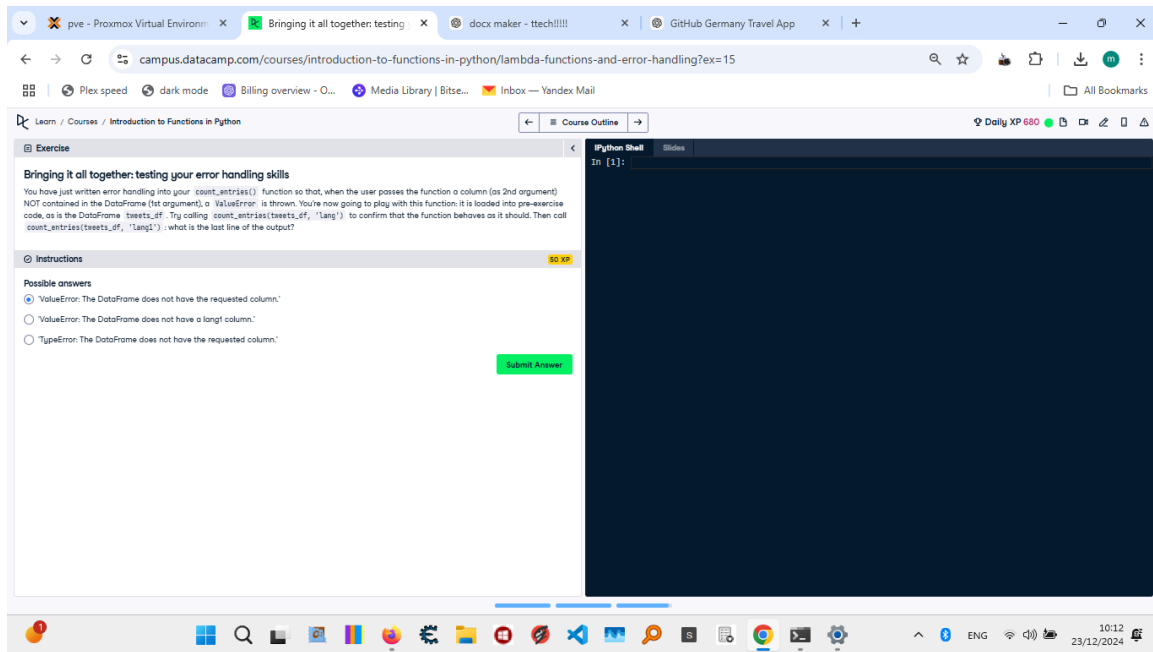# Bringing it all together: Testing your error handling skills

Question:

You have just written error handling into your `count_entries()` function so that, when the user passes the function a column
(as 2nd argument) NOT contained in the DataFrame (1st argument), a
`ValueError` is thrown. You're now going to play with this function.
It is loaded into pre-exercise code, as is the DataFrame `tweets_df`. Try calling `count_entries(tweets_df, 'lang')` to confirm that
the function behaves as it should. Then call `count_entries(tweets_df, 'lang1')`: what is the last line of the output?

Options:

A. ValueError: The DataFrame does not have the requested column.'

B. ValueError: The DataFrame does not have a lang1 column.'

C. TypeError: The DataFrame does not have the requested column.'

Correct Answer:

B. ValueError: The DataFrame does not have a lang1 column.'

Explanation:

The `count_entries()` function raises a `ValueError` if the column name passed as the second argument does not exist in the
DataFrame. When calling `count_entries(tweets_df, 'lang1')`, the function identifies that 'lang1' is not a valid column in
`tweets_df` and raises a `ValueError`. The error message explicitly states the missing column name ('lang1') to make it
clear to the user what went wrong.