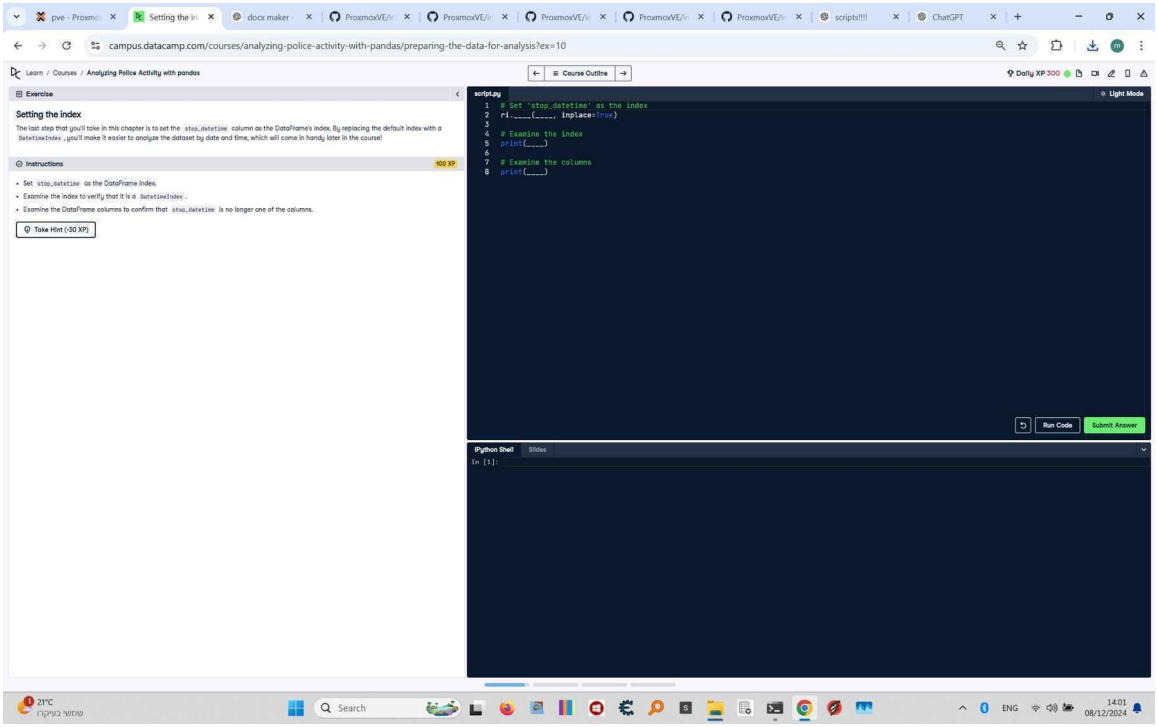
Setting the Index



Task Description

1. Set 'stop_datetime' as the DataFrame index.
2. Examine the index to verify that it is a DateTimeIndex.
3. Examine the DataFrame columns to confirm that 'stop_datetime' is no longer one of the columns.

Code Solution

```
# Set 'stop_datetime' as the index
ri.set_index('stop_datetime', inplace=True)

# Examine the index
print(ri.index)

# Examine the columns
print(ri.columns)
```

Code Explanation

1. The line 'ri.set_index('stop_datetime', inplace=True)' sets the 'stop_datetime' column as the index of the DataFrame. This replaces the default integer index, enabling easier analysis by date and time.
2. The line 'print(ri.index)' prints the current index of the DataFrame, confirming that it is now a DateTimeIndex.

3. The line 'print(ri.columns)' prints the list of columns in the DataFrame, verifying that 'stop_datetime' is no longer included in the list of columns since it has been moved to the index.