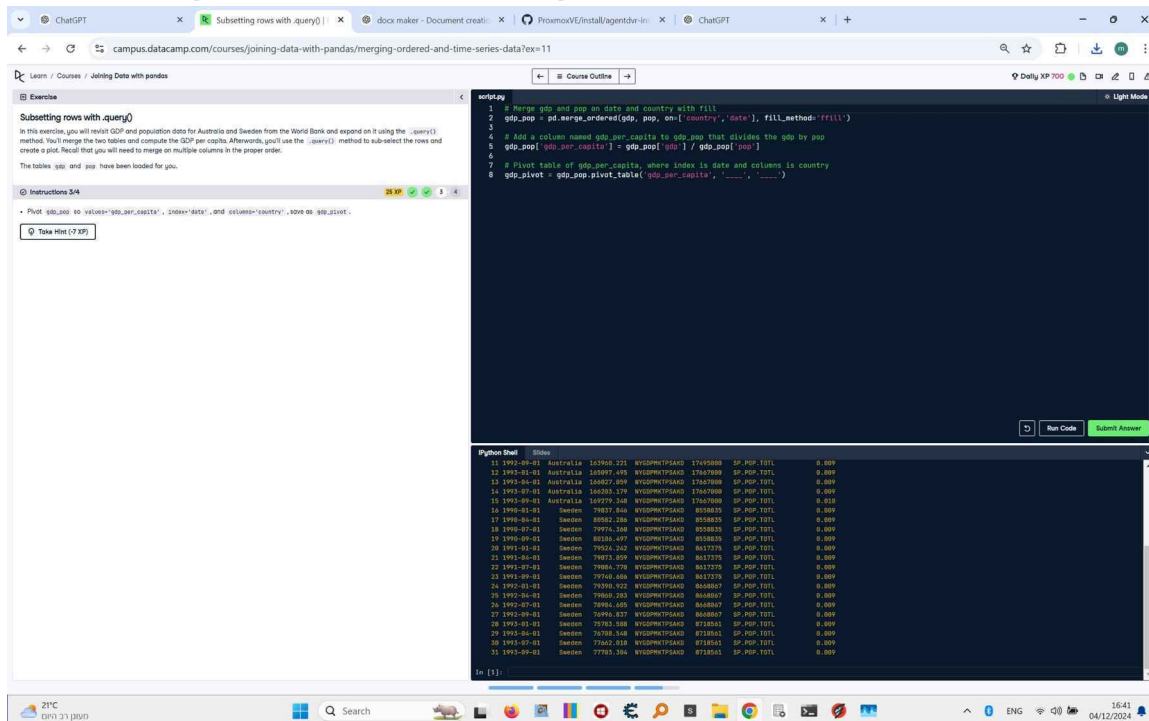


## Subsetting rows with .query() - Step 3



```
1 # Merge gdp and pop on date and country with fill
2 gdp_pop = pd.merge_ordered(gdp, pop, on=['country', 'date'], fill_method='ffill')
3
4 # Add a column named gdp_per_capita to gdp_pop that divides the gdp by pop
5 gdp_pop['gdp_per_capita'] = gdp_pop['gdp'] / gdp_pop['pop']
6
7 # Pivot table of gdp_per_capita, where index is date and columns is country
8 gdp_pivot = gdp_pop.pivot_table('gdp_per_capita', 'date', 'country')
```

	date	Australia	Sweden
11	1992-09-01	167660.221	815863.0
12	1992-01-01	168087.499	815863.0
13	1992-06-01	168087.499	815863.0
14	1992-09-01	168087.499	815863.0
15	1992-09-01	168087.499	815863.0
16	1992-09-01	168087.499	815863.0
17	1992-09-01	168087.499	815863.0
18	1992-09-01	168087.499	815863.0
19	1992-09-01	168087.499	815863.0
20	1992-09-01	168087.499	815863.0
21	1992-09-01	168087.499	815863.0
22	1992-09-01	168087.499	815863.0
23	1992-09-01	168087.499	815863.0
24	1992-09-01	168087.499	815863.0
25	1992-09-01	168087.499	815863.0
26	1992-09-01	168087.499	815863.0
27	1992-09-01	168087.499	815863.0
28	1992-09-01	168087.499	815863.0
29	1992-09-01	168087.499	815863.0
30	1992-09-01	168087.499	815863.0
31	1992-09-01	168087.499	815863.0

### Question:

Pivot gdp\_pop to values='gdp\_per\_capita', index='date', and columns='country'. Save as gdp\_pivot.

### Answer:

```
# Merge gdp and pop on date and country with fill
```

```
gdp_pop = pd.merge_ordered(
    gdp, pop,
    on=['country', 'date'],
    fill_method='ffill'
)
```

```
# Add a column named gdp_per_capita to gdp_pop that divides the gdp by pop
```

```
gdp_pop['gdp_per_capita'] = gdp_pop['gdp'] / gdp_pop['pop']
```

```
# Pivot table of gdp_per_capita, where index is date and columns is country
```

```
gdp_pivot = gdp_pop.pivot_table(
    values='gdp_per_capita',
    index='date',
    columns='country'
)
```

```
# Print the resulting pivot table  
print(gdp_pivot)
```