

Square Brackets (1)

The screenshot shows a web browser with multiple tabs. The active tab is 'Square Brackets (1) | Python'. The URL is 'campus.datacamp.com/courses/intermediate-python/dictionaries-pandas?ex=15'. The page is titled 'Learn / Courses / Intermediate Python'. The main content area is titled 'Exercise' and 'Square Brackets (1)'. It contains instructions and a code editor. The code editor shows a Python script that imports cars data, reads a CSV file, and prints out the 'country' column as a Pandas Series and a Pandas DataFrame.

```
1 # Import cars data
2 import pandas as pd
3 cars = pd.read_csv('cars.csv', index_col=0)
4
5 # Print out country column as Pandas Series
6
7
8 # Print out country column as Pandas DataFrame
9
10
11 # Print out DataFrame with country and drives_right columns
12
```

Instructions:

1. Use single square brackets to print out the 'country' column of cars as a Pandas Series.
2. Use double square brackets to print out the 'country' column of cars as a Pandas DataFrame.
3. Use double square brackets to print out a DataFrame with both the 'country' and 'drives_right' columns of cars, in this order.

Code and Explanation:

```
# Import cars data
import pandas as pd
cars = pd.read_csv('cars.csv', index_col=0)
```

```
# Print out country column as Pandas Series
print(cars['country'])
```

```
# Print out country column as Pandas DataFrame
print(cars[['country']])
```

```
# Print out DataFrame with country and drives_right columns
print(cars[['country', 'drives_right']])
```

Explanation of the Code:

1. The 'cars.csv' file is read into a Pandas DataFrame using `pd.read_csv` with `index_col=0` to set the first column as the index.
2. The single square brackets `'cars['country']'` extract the 'country' column as a Pandas Series.
3. Double square brackets `'cars[['country']]'` extract the 'country' column as a Pandas DataFrame.
4. Double square brackets `'cars[['country', 'drives_right']]'` extract the 'country' and 'drives_right' columns as a new DataFrame.