CSV to DataFrame (2) in Python using Pandas - Explanation and Solution

Problem Statement

You are provided with a CSV file named 'cars.csv', and the data has already been loaded into a DataFrame. However, the first column (intended as row labels) was not set correctly as the index. The tasks are: 1) Modify the pd.read_csv() function call to include the index_col argument. 2) Set index_col=0 so that the first column is used as the row labels. 3) Print the updated cars DataFrame to ensure the row labels are set correctly.

Instructions

- Import pandas as pd.
- Use the pd.read_csv() function with the index_col argument set to 0 to load the data from 'cars.csv' into a DataFrame named cars.
- Print the updated cars DataFrame.

Solution

Here's how to fix the row labels and print the updated DataFrame:

import pandas as pd

```
# Fix import by including index_col
cars = pd.read csv('cars.csv', index col=0)
```

Print the updated DataFrame
print(cars)

Explanation

- 1. The pd.read_csv() function is used to load data from a CSV file into a DataFrame. By default, it assigns integers (0, 1, 2, etc.) as row labels (index).
- 2. To use the first column as row labels, we include the argument index_col=0 in the pd.read_csv() function. This tells pandas to use the first column of the CSV file as the DataFrame index.
- 3. Finally, we print the cars DataFrame to verify that the row labels are now set correctly.