UNIT 2.3 GRADED ASSIGNMENT

Group members

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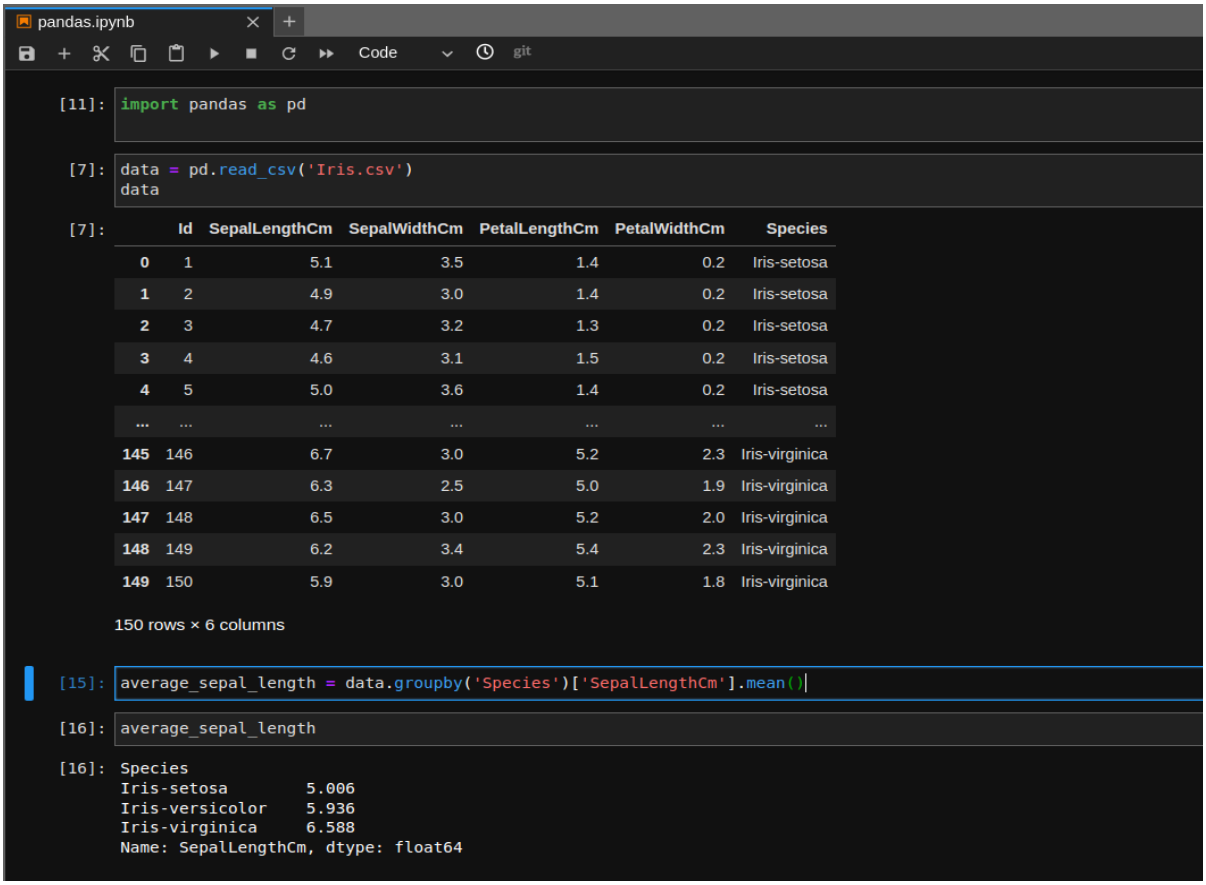
Task:

Download the Iris dataset from https://www.kaggle.com/datasets/uciml/iris and write a program that loads the CSV file and answers what is the average sepal length for each of three iris species.

Solution:



average_sepal_length = data.groupby('Species')['SepalLengthCm'].mean()

The resulting object 'average_sepal_length' is likely a pandas Series object and **data.groupby** is used to group the rows of the dataframe by the unique value in the **Species** column and selects **SepalLengthCm** from the grouped data. And the mean method is used to calculate the average sepal length for each of three iris species.

Output:

```
[16]: Species
      Iris-setosa        5.006
      Iris-versicolor    5.936
      Iris-virginica     6.588
      Name: SepalLengthCm, dtype: float64
```