

ASSIGNMENT 2.3

on

Pandas

Submitted by:

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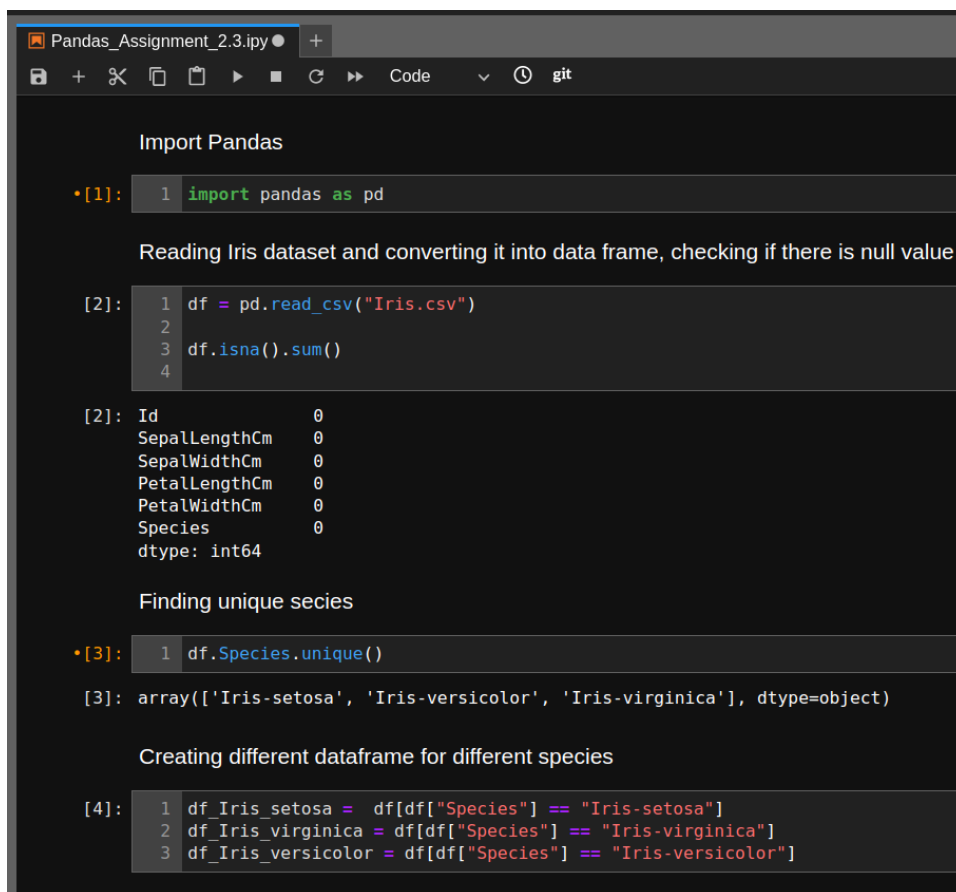
Task 01 :

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:



```
Pandas_Assignment_2.3.ipynb +
+ ✂ 📄 ▶ ■ ↺ ⏪ Code ⌵ ⌚ git

Import Pandas

•[1]: 1 import pandas as pd

Reading Iris dataset and converting it into data frame, checking if there is null value

[2]: 1 df = pd.read_csv("Iris.csv")
     2
     3 df.isna().sum()
     4

[2]: Id          0
     SepalLengthCm  0
     SepalWidthCm   0
     PetalLengthCm  0
     PetalWidthCm   0
     Species        0
     dtype: int64

Finding unique species

•[3]: 1 df.Species.unique()

[3]: array(['Iris-setosa', 'Iris-versicolor', 'Iris-virginica'], dtype=object)

Creating different dataframe for different species

[4]: 1 df_Iris_setosa = df[df["Species"] == "Iris-setosa"]
     2 df_Iris_virginica = df[df["Species"] == "Iris-virginica"]
     3 df_Iris_versicolor = df[df["Species"] == "Iris-versicolor"]
```

Printng mean for each species

```
[5]: 1 print("Mean Sepal Length for Iris-setosa : ", df_Iris_setosa.SepalLengthCm.mean())  
     2 print("Mean Sepal Length for Iris-virginica : ", df_Iris_virginica.SepalLengthCm.mean())  
     3 print("Mean Sepal Length for Iris-versicolor : ", df_Iris_versicolor.SepalLengthCm.mean())
```

```
Mean Sepal Length for Iris-setosa : 5.006  
Mean Sepal Length for Iris-virginica : 6.587999999999998  
Mean Sepal Length for Iris-versicolor : 5.936
```