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Assignment 2.3

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.

In the beginning, I downloaded the 'Iris.csv' from Kaggle as per given instruction
After that, I import pandas library in my jupyter-lab

```
import pandas as pd
```

For reading the .csv file, I used pandas library built in function pd.read_csv('Iris.csv')

```
df = pd.read_csv('Iris.csv')
```

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```
df
```

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm	Species
0	1	5.1	3.5	1.4	0.2	Iris-setosa
1	2	4.9	3.0	1.4	0.2	Iris-setosa
2	3	4.7	3.2	1.3	0.2	Iris-setosa
3	4	4.6	3.1	1.5	0.2	Iris-setosa
4	5	5.0	3.6	1.4	0.2	Iris-setosa
...	...	...	...	...	...	...
145	146	6.7	3.0	5.2	2.3	Iris-virginica
146	147	6.3	2.5	5.0	1.9	Iris-virginica
147	148	6.5	3.0	5.2	2.0	Iris-virginica
148	149	6.2	3.4	5.4	2.3	Iris-virginica
149	150	5.9	3.0	5.1	1.8	Iris-virginica

than, I apply the aggregate function of mean to SepalLenghtCm on available Species

```
Avg_SepalLength = df.groupby('Species')['SepalLengthCm'].mean()
Avg_SepalLength
```

and, here is the final result

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