Pratice Problems on Pandas Database: Iris Dataset

Problem 1: Count of Flowers

Find and print count of each kind of flower (separated by space)?

Print the count as Integer Value.

```
import pandas as pd
```

```
is = pd.read_csv('https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data', header = None,names = ['sl','sw','pl','pw','species'])
```

```
[ ] df = iris.copy()
```

```
[ ] df = iris
```

```
[ ] df1 = df.groupby('species').count()['sl']
    print(df1)
```

```
species
Iris-setosa       50
Iris-versicolor   50
Iris-virginica    50
Name: sl, dtype: int64
```

```
[ ] print(df1.values[0], df1.values[1], df1.values[2])
```

```
50 50 50
```

Problem 2: Iris Virginica

Find the data of flower "Iris-virginica" type where petal-length > 1.5?

Print the all the feature values.

```
[ ] df[(df.species =="Iris-virginica") & (df.pl > 1.5)]
```

	sl	sw	pl	pw	species
100	6.3	3.3	6.0	2.5	Iris-virginica
101	5.8	2.7	5.1	1.9	Iris-virginica
102	7.1	3.0	5.9	2.1	Iris-virginica
103	6.3	2.9	5.6	1.8	Iris-virginica
104	6.5	3.0	5.8	2.2	Iris-virginica
105	7.6	3.0	6.6	2.1	Iris-virginica
106	4.9	2.5	4.5	1.7	Iris-virginica
107	7.3	2.9	6.3	1.8	Iris-virginica
108	6.7	2.5	5.8	1.8	Iris-virginica
109	7.2	3.6	6.1	2.5	Iris-virginica
110	6.5	3.2	5.1	2.0	Iris-virginica
111	6.4	2.7	5.3	1.9	Iris-virginica

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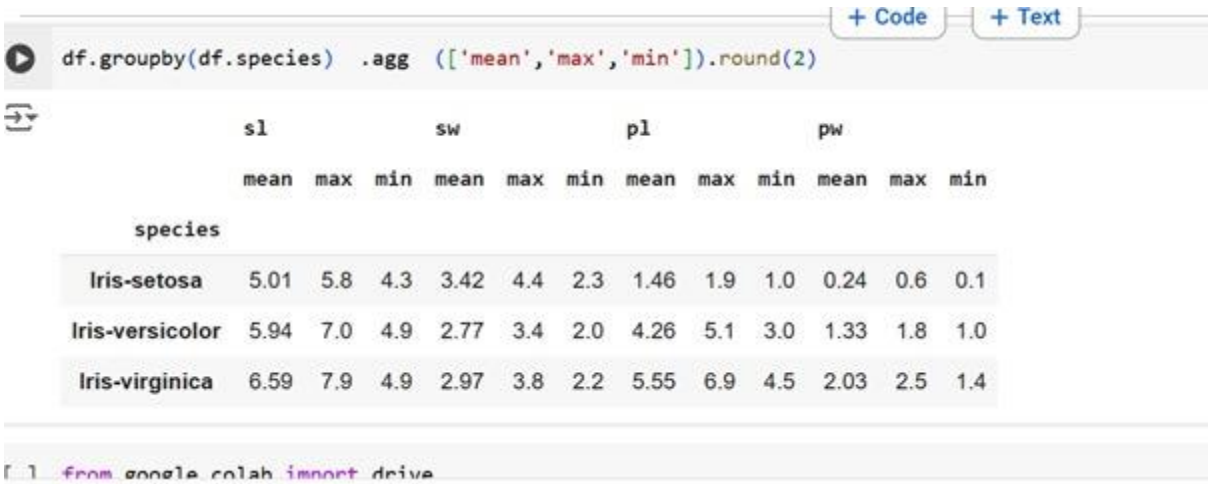
Problem 3: Iris Values

Find and print the minimum, maximum and average value of the feature for each kind of flower?

Print the value with two decimal places.

Note: Order for flower is Iris-setosa, Iris-versicolor and Iris-virginica.



	sl			sw			pl			pw		
	mean	max	min	mean	max	min	mean	max	min	mean	max	min
species												
Iris-setosa	5.01	5.8	4.3	3.42	4.4	2.3	1.46	1.9	1.0	0.24	0.6	0.1
Iris-versicolor	5.94	7.0	4.9	2.77	3.4	2.0	4.26	5.1	3.0	1.33	1.8	1.0
Iris-virginica	6.59	7.9	4.9	2.97	3.8	2.2	5.55	6.9	4.5	2.03	2.5	1.4