LAB-1

Q1) Write a python program to import and export data using Pandas library functions

```
[36] import pandas as pd
```

```
[37] airbnb_data = pd.read_csv("/content/austinHousingData.csv")
```

```
airbnb_data.to_csv("/content/austinHousingData.csv")
```

```
airbnb_data.head()
```

	Unnamed: 0.1	Unnamed: 0	zpid	city	streetAddress	zipcode	description	latitude	longitude	propertyTaxRate	...	numOfMiddleSchools	numOfHighSchools	avgSchoolDistance	avgSchoolRating	avgSchoolSize	MedianStudentsPerTeacher	numOfBathrooms	n
0	0	0	111373431	pflugerville	14424 Lake Victor Dr	78660	14424 Lake Victor Dr, Pflugerville, TX 78660 I...	30.430632	-97.663078	1.98	...	1	1	1.266667	2.666667	1063	14	3.0	
1	1	1	120900430	pflugerville	1104 Strickling Dr	78660	Absolutely GORGEOUS 4 Bedroom home with 2 full...	30.432673	-97.661697	1.98	...	1	1	1.400000	2.666667	1063	14	2.0	
2	2	2	2084491383	pflugerville	1408 Fort Dessau Rd	78660	Under construction - estimated completion in A...	30.409748	-97.639771	1.98	...	1	1	1.200000	3.000000	1108	14	2.0	
3	3	3	120901374	pflugerville	1025 Strickling Dr	78660	Absolutely darling one story home in charming ...	30.432112	-97.661659	1.98	...	1	1	1.400000	2.666667	1063	14	2.0	
4	4	4	60134862	pflugerville	15005 Donna Jane Loop	78660	Brimming with appeal & warm livability! Sleek ...	30.437368	-97.656860	1.98	...	1	1	1.133333	4.000000	1223	14	3.0	

5 rows × 49 columns

```
[40] import pandas as pd
```

```
[41] iris_data = pd.read_csv("/content/iris.data")
```

```
[42] iris_data.head()
```

	5.1	3.5	1.4	0.2	Iris-setosa
0	4.9	3.0	1.4	0.2	Iris-setosa
1	4.7	3.2	1.3	0.2	Iris-setosa
2	4.6	3.1	1.5	0.2	Iris-setosa
3	5.0	3.6	1.4	0.2	Iris-setosa
4	5.4	3.9	1.7	0.4	Iris-setosa

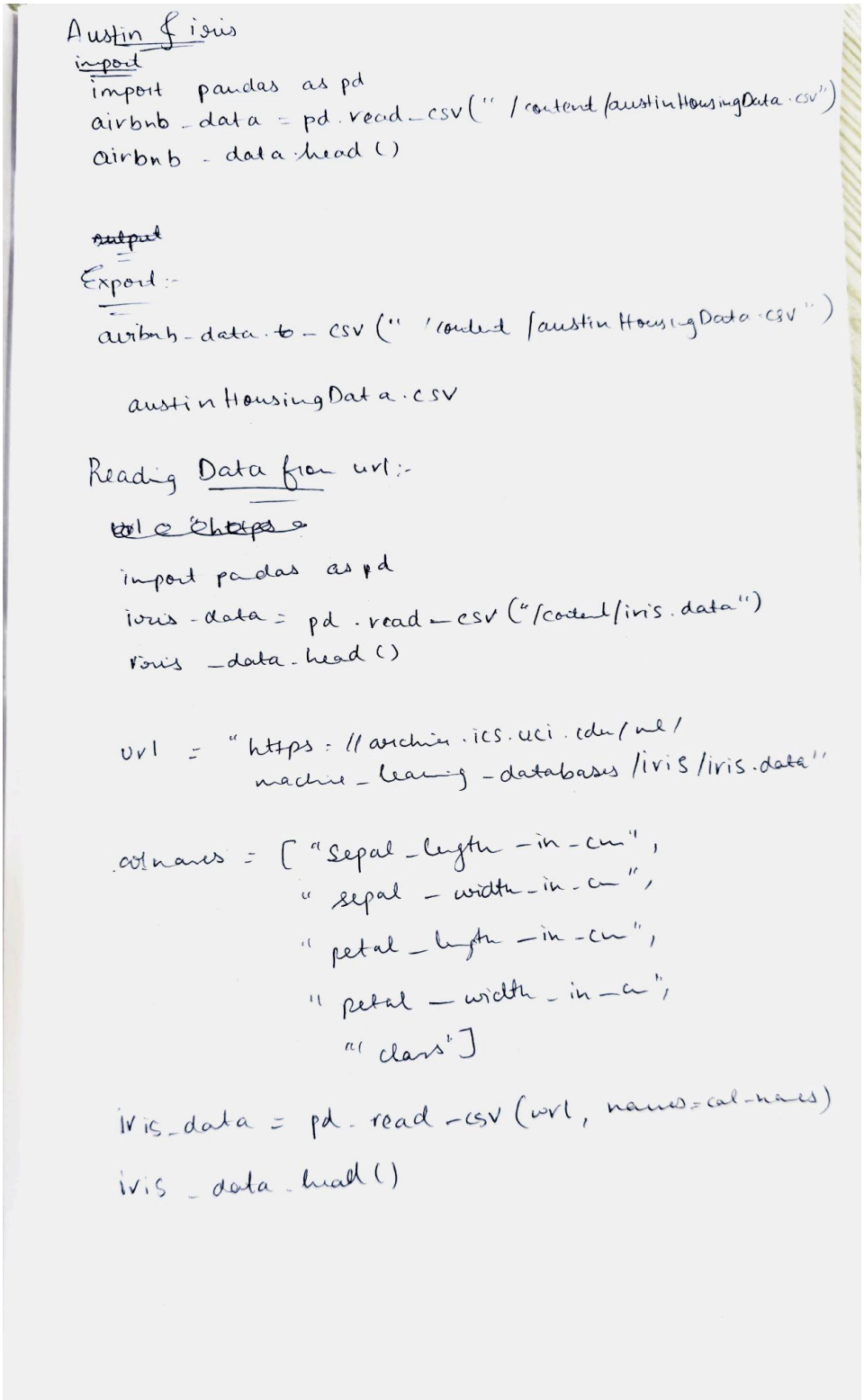
Next steps: View recommended plots

```
[43] # Webpage URL
     url = "https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data"

     # Define the column names
     col_names = ["sepal_length_in_cm",
                  "sepal_width_in_cm",
                  "petal_length_in_cm",
                  "petal_width_in_cm",
                  "class"]

     # Read data from URL
     iris_data = pd.read_csv(url, names=col_names)

     iris_data.head()
```

	sepal_length_in_cm	sepal_width_in_cm	petal_length_in_cm	petal_width_in_cm	class
0	5.1	3.5	1.4	0.2	Iris-setosa
1	4.9	3.0	1.4	0.2	Iris-setosa
2	4.7	3.2	1.3	0.2	Iris-setosa
3	4.6	3.1	1.5	0.2	Iris-setosa
4	5.0	3.6	1.4	0.2	Iris-setosa

Next steps: View recommended plots

Lab notes:-



Austin & iris

import

```
import pandas as pd
airbnb_data = pd.read_csv("/content/austinHousingData.csv")
airbnb_data.head()
```

~~output~~

Export :-

```
airbnb_data.to_csv("/content/austinHousingData.csv")
```

austinHousingData.csv

Reading Data from url :-

~~url & https~~

```
import pandas as pd
iris_data = pd.read_csv("/content/iris.data")
iris_data.head()

url = "https://archive.ics.uci.edu/ml/
       machine-learning-databases/iris/iris.data"

colnames = ["sepal_length_in_cm",
            "sepal_width_in_cm",
            "petal_length_in_cm",
            "petal_width_in_cm",
            "class"]

iris_data = pd.read_csv(url, names=col_names)
iris_data.head()
```