

# PROGRAM 1

Date:05-04-2024

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

05/04/24

## Program -1

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

### IMPORT:

```
import pandas as pd
airbnb_data = pd.read_csv("listings.csv")
airbnb_data.head()
```

### EXPORT:

```
airbnb_data.to_csv("exported-listings.csv")
```

### READING DATA FROM URL:

```
url = "https://archive.ics.uci.edu/ml/machine-learning-  
-databases/iris/iris.data"  
col_names = ["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()
```

## Import:

```
import pandas as pd
# Read the CSV file
airbnb_data = pd.read_csv("listings.csv")
# View the first 5 rows
airbnb_data.head()
```

[1]:	id	name	host_id	host_name	neighbourhood_group	neighbourhood	latitude	longitude	room_type	price	minimum_nights	number_of_reviews	last_n
0	329172	Hillside designer home, 10 min. dwntrn	1680871	Janet	NaN	78746	30.30085	-97.80794	Entire home/apt	495	3	7	2022-
1	329306	Urban Homestead, 5 minutes to downtown	880571	Angel	NaN	78702	30.27232	-97.72579	Private room	63	2	570	2022-
2	331549	One Room with Private Bathroom	1690383	Sandra	NaN	78725	30.23911	-97.58625	Private room	100	2	0	
3	333815	Solar Sanctuary - Austin Room	372962	Kim	NaN	78704	30.25381	-97.75262	Private room	102	2	164	2022-
4	333442	Rare Secluded 1940s Estate	1698318	Virginia	NaN	78703	30.31267	-97.76641	Entire home/apt	286	3	163	2022-

## Export:

```
airbnb_data.to_csv("exported_listings.csv")
```

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## Reading data from 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()
```

```
[10]:
```

	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