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Pandas Read CSV File in Python

What is CSV File

A CSV is a comma separated values file which allows to store data in tabular format. That data includes numbers and text in plain text form. CSV is an extension of any file or spreadsheet .

Advantages of CSV File

1. Universally used

2. Easy to read

3. Easy to understand

4. Quick to create

How to Read or Import CSV File in Python IDLE or IDE

```
1 | import pandas as pd
```

Pandas.read_csv function used to import csv file

for more information about pandas.read_csv (pd.read_csv) function use help function

```
1 | help(pd.read csv)
```

```
1 | pd.read csv('F:\\Machine Learning\\DataSet\\student results.csv')
```

```
1 | Output >>>
```

```
      StudentID    Class    StudyHrs    SleepingHrs SocialMedia Mobi
 0    1001         10       2           9           3           5
 1    1002         10       6           8           2           0
 2    1003         10       3           8           2           4
 3    1004         11       0           10          1           5
 4    1005         11       4           7           2           0
 5    1006         11       10          7           0           0
 6    1007         12       4           6           0           0
 7    1008         12       10          6           2           0
 8    1009         12       2           8           2           4
 9    1010         12       6           9           1           0
```

This datastructure is dataframe, we can also import series datastructure using pd.read_csv function

```python
pd.read_csv('F:\\Machine Learning\\DataSet\\Top 10 IT Companies i
```

```
Output >>>

     Top 10 IT Companies in India
 0   TCS
 1   Infosys
 2   Tech Mahindra
 3   Wipro
 4   HCL Technologies
 5   L&amp;T Infotech
 6   Mindtree
 7   Mphasis
 8   Oracle Financial Services
 9   Rotla India
```

This is series datastructure

To know where is these files store in your computer system use 'os' library

```
1   import os
2   print(os.getcwd())
```

```
1   C:\Users\T-Rex\Pandas Practical
```
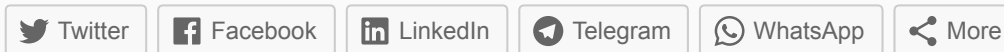
Download dataset click here – student_results

Download dataset click here – Top 10 IT Companies in India

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