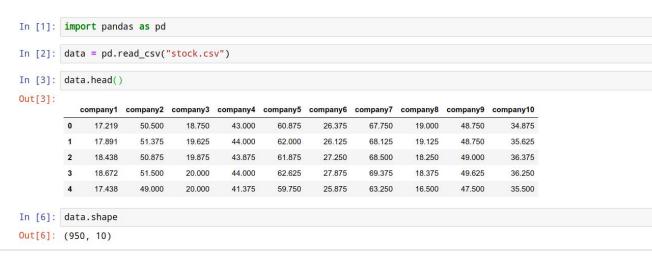## Stock Prediction

- Here task is to predict stocks from using previous stock rates

1. Collection of Database / Necessary requirement for project

- Data of company stocks price is downloaded from `https://www.openml.org/d/223`

```
In [1]: import pandas as pd
```

```
In [2]: data = pd.read_csv("stock.csv")
```

```
In [3]: data.head()
```

Out[3]:

	company1	company2	company3	company4	company5	company6	company7	company8	company9	company10
0	17.219	50.500	18.750	43.000	60.875	26.375	67.750	19.000	48.750	34.875
1	17.891	51.375	19.625	44.000	62.000	26.125	68.125	19.125	48.750	35.625
2	18.438	50.875	19.875	43.875	61.875	27.250	68.500	18.250	49.000	36.375
3	18.672	51.500	20.000	44.000	62.625	27.875	69.375	18.375	49.625	36.250
4	17.438	49.000	20.000	41.375	59.750	25.875	63.250	16.500	47.500	35.500

```
In [6]: data.shape
```

Out[6]: (950, 10)

Here you can see that there are data of 10 companies but in my project I will use only one company stocks.