

### This code will get quotes from a specific Stock, store it in a Pandas DF, then write it in a CSV and in a XLSX file

```
In [2]: # as we are going to use Pandas
import pandas as pd
from pandas_datareader import data as web

In [3]: # using Pandas to get the quotes from Yahoo.com
# company: Random.com.br
# daily quotes since the beginning of this year
df = web.DataReader(f'RAPT3.SA', data_source='yahoo', start=f'01-01-2021', end=f'08-27-2021')
print(df)
```

Date	High	Low	Open	Close	Volume	Adj Close
2021-01-04	12.20	11.11	11.90	11.44	54000.0	10.967319
2021-01-05	11.43	10.91	11.43	11.08	13800.0	10.622193
2021-01-06	11.34	10.85	11.08	11.30	23300.0	10.833104
2021-01-07	11.43	11.13	11.15	11.28	19100.0	10.813930
2021-01-08	11.37	11.11	11.17	11.17	11300.0	10.708476
2021-08-23	12.05	11.60	11.98	11.90	49700.0	11.900000
2021-08-24	12.30	11.89	11.90	12.30	62900.0	12.300000
2021-08-25	13.94	12.16	12.34	12.75	175500.0	12.750000
2021-08-26	12.84	12.41	12.60	12.84	12300.0	12.840000
2021-08-27	13.20	12.53	12.85	12.85	31000.0	12.850000

[155 rows x 6 columns]

Let's save this Table in an xlsx file and check if the file is well formatted when opening it with LibreOffice...

```
In [4]: # saving the info stored in the df into a file format CSV
df.to_csv(f'historico_RAPT3_01jan21-27ago21_18h30.csv')
```

```
In [5]: # saving the info stored in the df in a file format XLSX
df.to_excel(f'historico_RAPT3_01jan21-27ago21_18h30.xlsx')
```

#### Checking the CSV file

```
In [6]: # rows between Lines 11 and 149 were hidden, because the important is to check that the column headers
# are there and that there are no blank Lines in the beginning and in the end
```

	A	B	C	D	E	F	G	H	I	J
1	Date	High	Low	Open	Close	Volume	Adj Close			
2	2021-01-04	12.19999809265137	11.109999656677246	11.899999618530273	11.4399995803833	54000.0	10.96731948852539			
3	2021-01-05	11.430000305175781	10.90999984741211	11.430000305175781	11.079999923706055	13800.0	10.622193336486816			
4	2021-01-06	11.34000015258789	10.850000381469727	11.079999923706055	11.300000190734863	23300.0	10.833104133605957			
5	2021-01-07	11.430000305175781	11.130000114440918	11.149999618530273	11.279999732971191	19100.0	10.813929557800293			
6	2021-01-08	11.369999885559082	11.109999656677246	11.170000076293945	11.170000076293945	11300.0	10.708476066589355			
7	2021-01-11	11.220000267028809	10.850000381469727	11.1899995803833	11.130000114440918	12400.0	10.670127868652344			
8	2021-01-13	11.369999885559082	11.020000457763672	11.329999923706055	11.149999618530273	4600.0	10.689300537109375			
9	2021-01-14	11.470000267028809	11.100000381469727	11.149999618530273	11.4399995803833	23400.0	10.96731948852539			
10	2021-01-15	11.359999656677246	11.119999885559082	11.119999885559082	11.239999771118164	27700.0	10.775563267211914			
150	2021-08-19	11.84000015258789	11.199999809265137	11.199999809265137	11.630000114440918	20000.0	11.630000114440918			
151	2021-08-20	12.1099995803833	11.609999656677246	11.899999618530273	11.979999542236328	46800.0	11.979999542236328			
152	2021-08-23	12.050000190734863	11.600000381469727	11.879999542236328	11.899999618530273	49700.0	11.899999618530273			
153	2021-08-24	12.300000190734863	11.89000034322754	11.899999618530273	12.300000190734863	62900.0	12.300000190734863			
154	2021-08-25	13.9399995803833	12.15999984741211	12.34000015258789	12.75	175500.0	12.75			
155	2021-08-26	12.84000015258789	12.40999984741211	12.600000381469727	12.84000015258789	12300.0	12.84000015258789			
156	2021-08-27	13.199999809265137	12.529999732971191	12.850000381469727	12.850000381469727	31000.0	12.850000381469727			

#### Checking the XLSX file

	A	B	C	D	E	F	G	H	I	J	K
1	Date	High	Low	Open	Close	Volume	Adj Close				
2	2021-01-04 00:00:00	12.2	11.11	11.9	11.44	54000	10.96732				
3	2021-01-05 00:00:00	11.43	10.91	11.43	11.08	13800	10.62219				
4	2021-01-06 00:00:00	11.34	10.85	11.08	11.3	23300	10.8331				
5	2021-01-07 00:00:00	11.43	11.13	11.15	11.28	19100	10.81393				
6	2021-01-08 00:00:00	11.37	11.11	11.17	11.17	11300	10.70848				
7	2021-01-11 00:00:00	11.22	10.85	11.19	11.13	12400	10.67013				
8	2021-01-13 00:00:00	11.37	11.02	11.33	11.15	4600	10.6893				
9	2021-01-14 00:00:00	11.47	11.1	11.15	11.44	23400	10.96732				
10	2021-01-15 00:00:00	11.36	11.12	11.12	11.24	27700	10.77558				
150	2021-08-19 00:00:00	11.84	11.2	11.2	11.63	20000	11.63				
151	2021-08-20 00:00:00	12.19	11.61	11.9	11.98	46800	11.98				
152	2021-08-23 00:00:00	12.05	11.6	11.98	11.9	49700	11.9				
153	2021-08-24 00:00:00	12.3	11.89	11.9	12.3	62900	12.3				
154	2021-08-25 00:00:00	13.94	12.16	12.34	12.75	175500	12.75				
155	2021-08-26 00:00:00	12.84	12.41	12.6	12.84	12300	12.84				
156	2021-08-27 00:00:00	13.2	12.53	12.85	12.85	31000	12.85				

This code is part of a project that I am developing.

The idea is to build a dashboard with some Technical Analysis (TA) Indicators to help deciding which stocks to buy or sell.