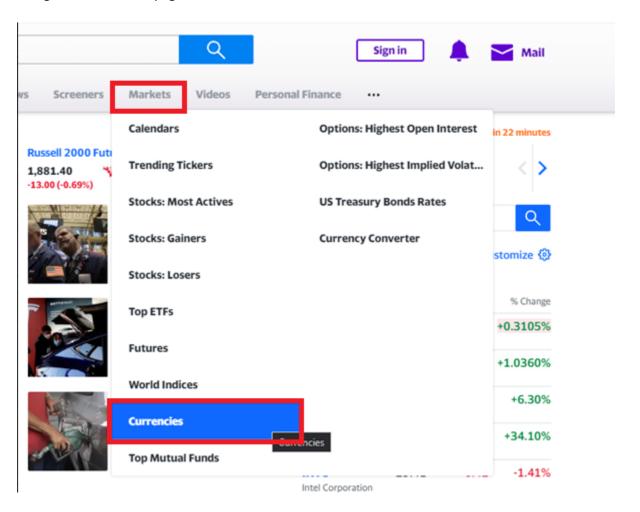
Blue Ocean Strategic Partners Case Study

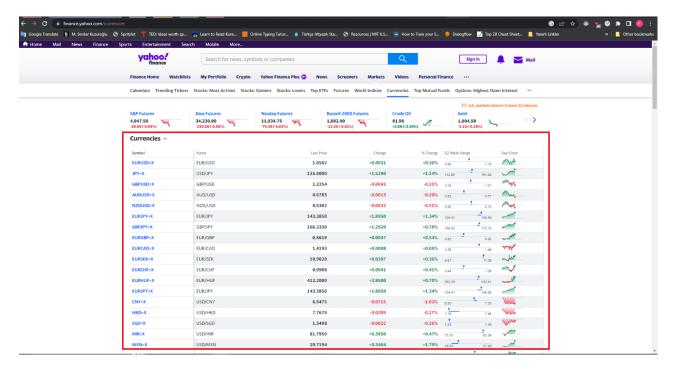
In this case study you're going to be asked to automate fetching financial data from yahoo finance web page. This project requires web and excel automation. Implement your solutions using Python 3.9.5 and provide **requirements.txt** file in the project folder. Try to follow best practices to write clean code. You can use any Python packages you need. Send your submissions and questions to fcetin@blueoceansp.ai within 3 days you received the case study.

Steps:

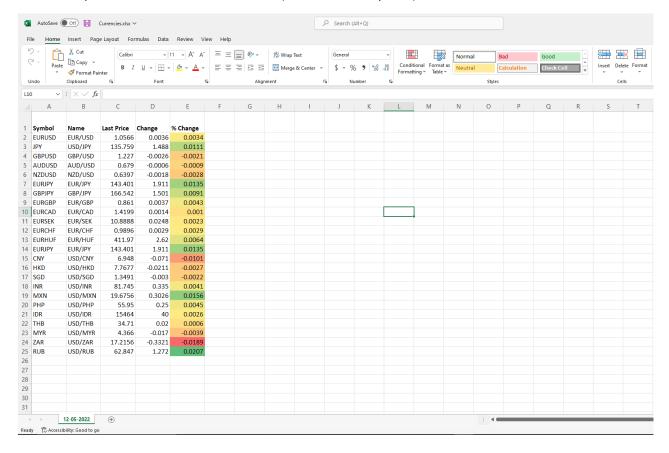
- 1. Open https://finance.yahoo.com/ page
- 2. Navigate to currencies page.



3. Extract Currencies table (except 52 Week Range and Day Chart columns) and write into excel file. Cut "=X" string from Symbol column Filename: Currencies.xlsx Sheet Name: MM-DD-YYYY. Make header cells bold. Make all column widths 10.00(75pixels). Bonus: You can try to apply Green – Yellow – Red color scale to % Change column (not required, try this if you have additional time left for the project).



Your final spreadsheet should look like this: (Bonus is not required)

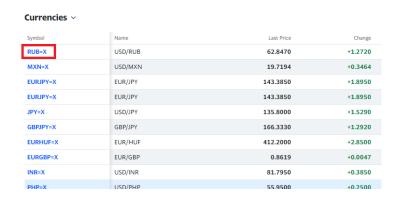


4. Click on % Change column and sort in descending order.

Currencies v							
Symbol	Name	Last Price	Change	% Change 🗸	52 Week Range		Day Chart
RUB=X	USD/RUB	62.8470	+1.2720	+2.07%	50.59	154.72	_//h//
MXN=X	USD/MXN	19.7194	+0.3464	+1.79%	19.03	21.46	
EURJPY=X	EUR/JPY	143.3850	+1.8950	+1.34%	124.41	148.36	مسب
EURJPY=X	EUR/JPY	143.3850	+1.8950	+1.34%	124.41	148.36	- Avenue
JPY=X	USD/JPY	135.8000	+1.5290	+1.14%	112.88	151.94	~~~
GBPJPY=X	GBP/JPY	166.3330	+1.2920	+0.78%	148.93	172.10	A STANDARD
EURHUF=X	EUR/HUF	412.2000	+2.8500	+0.70%	352.25	433.81	AM
EURGBP=X	EUR/GBP	0.8619	+0.0047	+0.54%	0.82	0.92	man partition

5. For top 5 currencies:

a. Click on symbol and navigate to currency page.



b. Click Historical Data

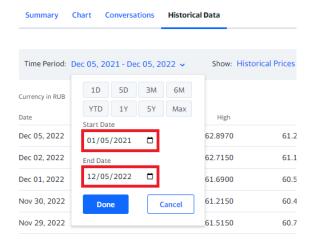


62.8470 +1.2720 (+2.0658%)

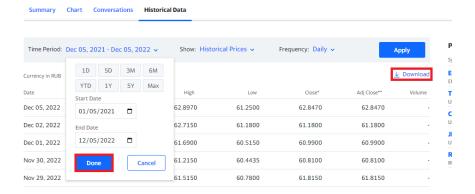
As of 03:36PM GMT. Market open.

Summary Cha		Conversations		Historical Data		
Previous Close		61.5750	Day's	s Range	61.2500 - 62.8970	1D
Open		61.5750	52 W	/eek Range	50.5899 - 154.7150	
Bid		62.8470	Ask		62.8520	

c. Change time periods; End Date should be current day. Start Date should be first day of current month. You can see an example of running script at 5 Dec 2022.



d. Click Done then Download the file.



e. Save all files into **\Project\Currencies** folder. Your code should be in **\Project** folder.

