

3. Copy the API key and use in the url in Question 1.

Call the API

Question 1 Using the requests library call the endpoint given above and save the text, remember the first few characters of the output:

```
[5]: # Write your code here
#wrl. = "http://api.exchangeratesapi.io/v1/Latest?base=EUR&access_key=97b6372f9ef889932b61f5625dcf4040d". #Make_sure_to_change_****** to_your_API_key.
r = requests_get("http://api.exchangeratesapi.io/v1/latest?base=EUR&access_key=97b6372f9ef889932b61f5625dcf4040d")
r

[5]: <Response [200]>
```

Save as DataFrame

Question 2 Using the data gathered turn it into a pandas dataframe. The dataframe should have the Currency as the index and Rate as their columns. Make sure to drop unnecessary columns.

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```
[9]: # Turn the data into a dataframe
       = requests.get("http://api.exchangeratesapi.io/v1/latest?base=EUR&access_key=97b6372f9ef89932b61f5625dcf4040d")
     j = r.json()
     df = pd.DataFrame.from_dict(j)
[10]: df.index.name = 'Currency'
        success timestamp base date
     Currency
         AED
               True 1629067925 EUR 2021-08-15
      AFN True 1629067925 EUR 2021-08-15 95.346491
         ALL True 1629067925 EUR 2021-08-15 121.795380
        AMD True 1629067925 EUR 2021-08-15 580.615629
         ANG True 1629067925 EUR 2021-08-15 2.116815
               True 1629067925 EUR 2021-08-15 294.872611
         YER
        ZAR
               True 1629067925 EUR 2021-08-15 17.364922
         ZMK
                True 1629067925 EUR 2021-08-15 10616.825731
     ZMW
               True 1629067925 EUR 2021-08-15 22.766221
               True 1629067925 EUR 2021-08-15 379.795297
```

168 rows \times 5 columns

[11]: # Drop unnescessary columns
df=df.drop(['base', 'date'], axis=1)

Load the Data

Using the dataframe save it as a CSV names exchange_rates_1.csv .

[12]: # Save the Dataframe
df.to_csv(r'exchange_rates_1.csv', index_= False)

Your CSV should be in this format with more currencies

Rates			
AED	4.398618		
AFN	92.917693		
ALL	123.099093		
AMD	621.935674		
ANG	2.149648		

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Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2021-04-15	0.2	Malika	Updated the lab from USD to EUR
2020-11-25	0.1	Ramesh Sannareddy	Created initial version of the lab

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