

Rivery Mini Test - Home Assignment

Currency Exchange Rate

Expected time effort: 4-5 Hours

Build a **Python** process that gets data from the European Central Banks' currency rates exchange service, at the next address:

<https://sdw-wsrest.ecb.europa.eu/help/>

The process will handle the next assumptions:

- Return the daily exchange rate from **any** available currency to **any** available currency in the system (Not only into EUR).
- The parameters will be:
 - from_currencies: list
 - to_currencies: list
 - from_date: datetime/date
 - to_date: datetime/date
- When no data is available for a specific day (for example, a holiday or a weekend), the day will include the last known values from previous days.
- The data should be returned as JSON Lines/CSV files, downloaded by the process.

Some additional questions:

- How did you perform error handling and situations when the service limits the requests per day/hour?
- How would you make the process to perform better? What would you do differently in order to run the process faster?

Thank you for your time and effort!

Appreciated!

We're here for any question or help needed,

Rivery Team.