

Back-end developer assignment:

Implement an online currency converter, providing a Web API endpoint called **convert**. The endpoint must accept HTTP GET requests.

You're free to design the endpoint structure as you like, as long it accepts the following parameters:

- **amount**: the amount to convert (e.g. 12.35)
- **src_currency**: ISO currency code for the source currency to convert (e.g. EUR, USD, GBP)
- **dest_currency**: ISO currency code for the destination currency to convert (e.g. EUR, USD, GBP)
- **reference_date**: reference date for the exchange rate, in YYYY-MM-DD format

Your program must convert the provided **amount** from **src_currency** to **dest_currency**, given the exchange rate at the **reference_date**.

The response should be a JSON object like this:

```
{
  "amount": 20.23,
  "currency": "EUR"
}
```

You can find an xml file with the last 90 days exchange rates at this link:

- <https://www.ecb.europa.eu/stats/eurofxref/eurofxref-hist-90d.xml>

Constraints:

- Node.js version ≥ 7 or Python language, version ≥ 3.4
- Publish your project to an accessible git source code repository
- Provide clear instructions on how to run your project through a README file

Notes:

- You are free to use any framework you want

Bonus points:

- Containerization with Docker
- Write automated tests for your project.
- Dynamically retrieve the latest xml file at project startup time and somehow store it for the converter usage