

Junior Web Developer

Here are the company's welcome and motivational messages for the job candidate.

Environment Setting

You shall install an instance of Python 3.x. Only the CURL module is required, just built in .

DataSource

There are two datasource for this test. The first one is a JSON file inside the package, called `products.json`. The second is a public url:

`https://economia.awesomeapi.com.br/last/USD-BRL`.

```
curl --location --request GET 'https://economia.awesomeapi.com.br/last/USD-BRL'
```

```
{
  "USDBRL": {
    "code": "USD",
    "codein": "BRL",
    "name": "Dólar Americano/Real Brasileiro",
    "high": "5.6561",
    "low": "5.5669",
    "varBid": "0.0118",
    "pctChange": "0.21",
    "bid": "5.5778",
    "ask": "5.5785",
    "timestamp": "1637947015",
    "create_date": "2021-11-26 14:16:55"
  }
}
```

Test

In the package you received, with this file, there is another file called `products.json` with data and another one called `main.php` will run as script.

All the items above will be marked on script comments to help you.

After modifying `main.py` send it to evaluation.

1. Read from this directory `products.json`.
2. Convert json to list data type.
3. Open a connection, with `get` method, to read data from `https://economia.awesomeapi.com.br/last/USD-BRL`.

4. Convert response JSON data from request and select `USDBRL.bid` attribute.
5. For each product price apply `USDBRL.bid` to change currency USD to BRL.
6. For each product add new keys: `created_at` with current datetime, `update_at` same as the first, `deleted_at` default is an empty string.
7. Convert data Array into CVS file.
8. Save it into the same directory as `products.json` with name as `product.csv`.
9. Read `product.csv` from disc and parser it into a list again.
10. For each product with a price over 275 BRL remove it. You will not remove the record, but will put a datetime on `deleted_at` attribute.
11. Override `product.csv` with new list data converted to CVS.