

TEST / PYTHON JR DEVELOPER

Winclap is a company that operates globally, running campaigns around the world. This often generates problems in the unification of results as each company in each country defines the payments in their currency. For this reason it is essential to have a way to convert currencies in real time, in order to unify all profits to dollars.

The selected service for this task is Google. This service provides an endpoint that receives the amount, the code of the both currencies and provides the result.

For example, if we need convert 1 Dollar to Argentine Peso:

<https://www.google.com/finance/converter?a=1&from=USD&to=ARS>

The second problem is that Google has deprecated the JSON API, providing only the result in HTML.

Given the file report.json with a daily report that contains a list of campaigns objects with the following attributes:

- id: unique identifier of the campaign
- name: name of the campaign
- cost: cost of the campaign
- revenue: revenue of the campaign
- currency: code of the currency of the cost and revenue
- conversions: number of times that this campaign was successful.

For each conversion, Winclap win a profit: revenue - cost

Develop all the necessities classes, functions, etc to return a list of campaigns json with the following attributes:

- id: unique identifier of the campaign
- name: name of the campaign
- total_profit: the profit of all conversions, in USD.

Observations

All the problems must be uploaded to a GitHub repository and send the link to developers@winclap.com.

All the problems must be resolved with Python 3.

For any doubt or questions send an email to developers@winclap.com.