miuros

Backend coding test

Write a Java program that does the following:

1. Download https://drive.google.com/file/d/1V8oxUqWau5Rf9pS_fkW6JdigVFQaJDSt/
2. Read `companies.json`, assuming that
   a. it does not fit in memory
   b. it may not contain any line break
3. For each company, get the domain name from `homepage_url` and retrieve the server location by calling `http://api.ipstack.com/example.com?access_key=<KEY>` (get free API key here). Use this information to output a breakdown of companies per country, including the average funding amount (use field `total_money_raised`), e.g.

   ```
   Country,# Companies,$ Average funding
   Germany,1342,1.200.000
   ```

Write unit tests.

Use as few or as many libraries as you prefer.
Focus on writing good code, rather than on delivering it as quickly as you can.

Bonus step, if you have extra time:
4. Write a directory of CSV files
   a. Each company data is stored into one CSV row, where each Json field becomes a CSV column (ignore nested Json objects)
   b. The CSV files are named `A.csv`, `B.csv`, ..., `Z.csv`, and contain all companies whose name starts with that letter.

Send your code to daniele.alfarone@miuros.com