

Code Test :: Shareactor.io

The things we value the most in this test are readability, structure and simplicity of your solutions. We do not care which language you pick for the job, as long as it's not some esoteric language like "whitespace". Furthermore, if you assume anything, comment it in your code.

For question **2.**, please choose one of the options, taking into consideration that **a.** is more backend and **b.** is a bit more frontend.

1. Create a method that, given a list of integers, returns the highest product between 3 of those numbers. Example:

[1, 10, 2, 6, 5, 3] = 300

Please provide tests that show your solution actually works.

2a. Create a simple algorithm for a Calculator that supports input of mathematical expressions with the basic operations: +, -, * and /. It should allow the usage of brackets and understand operator precedence.

Extra points for the additional creation of an API wrapper around it, for example:

POST /calc
*{ "expression": "-1 * (2 * 6 / 3)" }*

Returns:

{ "result": "-4" }

2b. Host a website using whichever service you prefer (heroku, aws, linode, etc.) that uses a public API of your liking (google maps, last.fm, twitter, ...) to display some data in a nice visual way. You can do whatever you want as long as we're able to confirm the following: ability to use public APIs; ability to deal with changing data structures; ability to handle data in different ways (sorting, filtering, etc.); ability to setup a simple frontend webserver; ability to separate design (html, css, etc.) from logic (javascript, php, etc.). When done, the project must be publicly accessible.