

Digikala test assignment

Welcome to the Digikala coding exercise. This exercise is intended to show off your skills and show us why you should join our team. Please make sure that you plan how you will undertake this task. If you have any questions please reach out to us, we are always happy to help. If you have any suggestions on how we can improve please send that through too.

Description

The assignment is to implement a warehouse software. This warehouse should hold articles, and the articles should contain an identification number, a name and a number showing available stock. It should be possible to load articles into the software from a file, see the attached articles.json.

The warehouse software should also have products, products are made of different articles. Products should have a name, price and a list of articles of which they are made from with a quantity. The products should also be loaded from a file, see the attached products.json.

The warehouse should have just the following functionality;

Get all products and quantities of each with the current inventory in a way that our profit from selling them, will be maximum.

Expected

- Simplicity
 - Readability
 - Maintainability
 - It should be easy to scan the code.
 - Pay attention to the naming conventions.
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- Pay attention to the commits. They should reflect your thinking process. If you need the inspiration for what is a good commit message have a look at this(<https://github.com/RomuloOliveira/commit-messages-guide>).
 - Make sure you provide a clear README. If you need inspiration have a look at this (<https://github.com/matiassingers/awesome-readme>).
 - Please send us a public git repository link. When you are done please notify us.