

Software Engineer Coding Challenge

BairesDev specializes in delivering technology solutions. One of our engagement models is IT Staff Augmentation, where our engineers are an extension of the client's teams. Most of our developers (approx. 95%) are located in LATAM.

1) We are looking to expand our client's portfolio by sending an email marketing campaign. We request you to develop a piece of code that, given an input file "people.in" with LinkedIn public data, finds the top 100 people with the highest chance of becoming our clients. The expected output is a file called "people.out" that contains the ids of the people that we should contact.

The input file contains the following fields, separated by a pipe (|): PersonId, Name, LastName, CurrentRole, Country, Industry, NumberOfRecommendations, NumberOfConnections. It is possible that in some cases we don't know the value of the field, so two consecutive pipes will appear (||).

Example:

people.in

```
4567|arturo|perez|teleport engineering manager|Germany|Telecommunications|2|176
4568|carlos|lobalzo|jefe de gestión funcional|Argentina|Financial Services|2|259
4569|juan|martinez|repositor de mercado|Colombia|Supermarkets|0|5
4580|john|smith|co-founder & cto|United States|Network Security|10|500
4592|alejandro|gonzalez|desarrollador de software|España|Telecommunications||300
...
```

people.out

```
4568
4567
4580
...
```

2) Mention in which ways your algorithm could be improved.

3) Which additional data do you think would be relevant to improve your algorithm?

Ideal resolution time: 3-4 hours. We know you could spend months working on this problem, but, as this is just a test, we kindly ask you to prioritize and not work for more than 4 hours. Additionally, please put a lot of focus on making sure that the functionality works and not only in the technical aspect.

Please include at least your code and the file **people.out** in your answer.