

EX004 - Auto-complete

You are given a list of keywords below. Write code that will offer up to 4 suggested “auto-complete” based on the letters typed (not case sensitive). Similar to Google Autocomplete (example below), except that results must be in order vs. Google ranked keywords.

Minimum requirements

- You can use any programming language of your choice
- You do not have to build the web interface for input. Instead it could be a simple method call, that given a string will return up to 4 suggestions.
- Don’t use any database, you have to write everything by yourself.

Deliverable

- Functional code, with source and comments
- Any other artifact that you judge useful

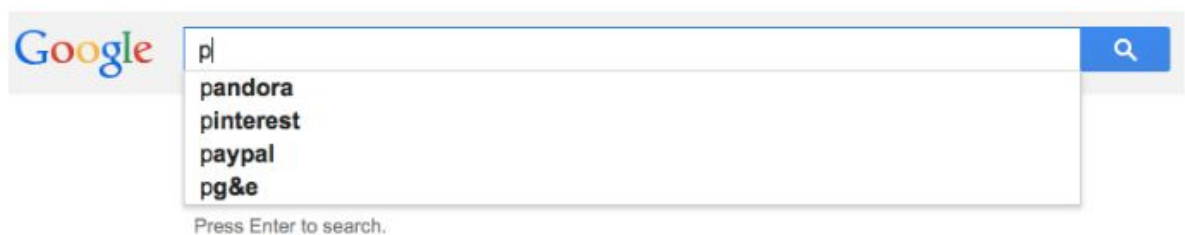
Optional questions

(no code expected, just general answers to questions)

- What would you change if the list of keywords was large (several millions)?
- What would you change if the requirements were to match any portion of the keywords (example: for string “pro”, code would possibly return “re**probe**”)

List of keywords

Pandora
Pinterest
Paypal
Pg&e
Project free tv Priceline
Press democrat
Progressive
Project runway
Proactive
Programming
Progeria
Progesterone
Progenex
Procurable
Processor
Proud
Print
Prank
Bowl
Owl
River
Phone
Kayak
Stamps
Reprobe



Note: in this case, results of your code should be in sorted order, i.e: Pandora, paypal, pg&e, pinterest

