THE ODIN PROJECT   **Dashboard**   All Paths   **Community**   **Support us**

Project: Sub Strings
Ruby Course

Introduction

By now you should feel pretty good working with strings, arrays and hashes. We'll do a couple of classic "intro to programming" problems in the next few lessons to help solidify your knowledge and get warmed up to working on small projects. You'll need to rely on some of your basic knowledge of conditionals and flow control from the prep work but you shouldn't need to do anything you haven't seen before.

> ✏️ If you want to actually write and run your own Ruby code, you can either use IRB from the command line (type `irb` after the prompt), or run it from a script file using `$ ruby ./your_file_name_in_the_current_directory.rb`, or use the online editor at replit.com.

Assignment

Implement a method `#substrings` that takes a word as the first argument and then an array of valid substrings (your dictionary) as the second argument. It should return a hash listing each substring (case insensitive) that was found in the original string and how many times it was found.
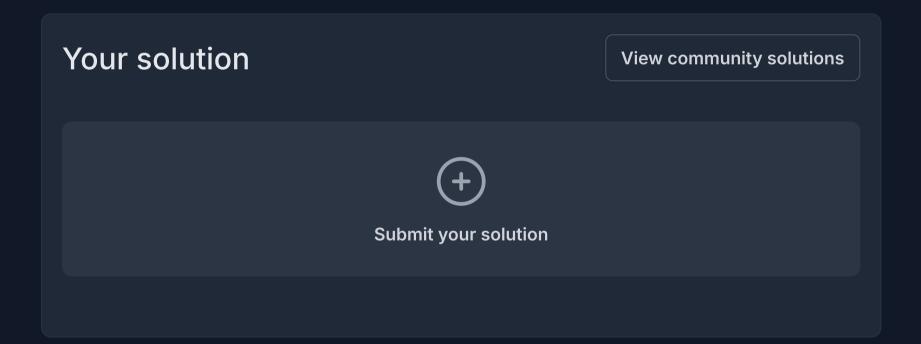
```
1   > dictionary = ["below","down","go","going","horn","how","h
2   => ["below","down","go","going","horn","how","howdy","it","
3   > substrings("below", dictionary)
4   => { "below" => 1, "low" => 1 }
```

Next, make sure your method can handle multiple words:

```
1    > substrings("Howdy partner, sit down! How's it going?", di
2    => { "down" => 1, "go" => 1, "going" => 1, "how" => 2, "how
```

Please note the order of your keys might be different.

Quick Tips:

- Recall how to turn strings into arrays and arrays into strings.

○ **Improve on GitHub**   ⚑ **Report an issue**   **See lesson changelog**

Your solution   **View community solutions**

⊕

Submit your solution

⌖ View Course   **Mark Complete**   ⊕ Next Lesson

Support us!

The Odin Project is funded by the community. Join us in empowering
learners around the globe by supporting The Odin Project!

Learn more   Donate now ⟶

THE ODIN PROJECT

High quality coding education maintained by an open source community.

About us

About

Team

Blog

Success Stories

Support

FAQ

Contribute

Contact us

Guides

Community guides

Installation guides

Legal

Terms

Privacy