



[Daily Problem] Word Search

1 missatge

Daily Interview Pro <daily@techseries.dev>

26 d'agost de 2020 a les 16:34



Hi, here's your problem today. This problem was recently asked by Amazon:

You are given a 2D array of characters, and a target string. Return whether or not the word target exists in the matrix. Unlike a standard word search, the word must be either going left-to-right, or top-to-bottom in the matrix.

Example:

```
[[ 'F' , 'A' , 'C' , 'I' ],  
 [ 'O' , 'B' , 'Q' , 'P' ],  
 [ 'A' , 'N' , 'O' , 'B' ],  
 [ 'M' , 'A' , 'S' , 'S' ]]
```

Given this matrix, and the target word FOAM, you should return true, as it can be found going up-to-down in the first column.

Here's the function signature:

```
def word_search (matrix , word) :  
    # Fill this in.  
  
matrix = [  
    ['F' , 'A' , 'C' , 'I' ],  
    ['O' , 'B' , 'Q' , 'P' ],  
    ['A' , 'N' , 'O' , 'B' ],  
    ['M' , 'A' , 'S' , 'S' ]]  
print word_search (matrix , 'FOAM')  
# True
```

Upgrade to PRO for in-depth solutions with time-space complexity analysis.

» Ready to fast-track your career? Join the premiere tech interview training program [Tech Interview Pro](#).

» For more, join me at CoderPro for 100+ whiteboard coding sessions: <https://coderpro.com/> (20% off now, limited time)

Have a great day!
Daily Interview Pro

© 2020 Daily Interview Pro. All rights reserved.
Did this email bother you? [Unsubscribe](#) anytime.