AlgoExpert Quad Layout Python 12px Sublime Monok

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

## Solution 1

```
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 1
 2
     \# O(n) time | O(n) space - where n is the length of the path
 3
 4 ▼ def shortenPath(path):
 5
         startsWithSlash = path[0] == "/"
         tokens = filter(isImportantToken, path.split("/"))
 6
 7
         stack = []
         if startsWithSlash:
 8 🔻
             stack.append("")
 9
10 🔻
         for token in tokens:
             if token == "..":
11 ▼
                 if len(stack) == 0 or stack[-1] == "..":
12 ▼
                     stack.append(token)
13
14 ▼
                 elif stack[-1] != "":
15
                     stack.pop()
16 ▼
             else:
17
                 stack.append(token)
18
         if len(stack) == 1 and stack[0] == "":
19 ▼
             return "/"
20
21
         return "/".join(stack)
22
23
24 ▼ def isImportantToken(token):
25
         return len(token) > 0 and token != "."
26
```