71 simplify path

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# Problem Number	71
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Description

Given a string path, which is an **absolute path** (starting with a slash '/') to a file or directory in a Unix-style file system, convert it to the simplified **canonical path**.

In a Unix-style file system, a period refers to the current directory, a double period refers to the directory up a level, and any multiple consecutive slashes (i.e. "//") are treated as a single slash "/". For this problem, any other format of periods such as "..." are treated as file/directory names.

The **canonical path** should have the following format:

- The path starts with a single slash '/'.
- Any two directories are separated by a single slash <a>-/-/-.
- The path does not end with a trailing '/'.
- The path only contains the directories on the path from the root directory to the target file or directory (i.e., no period or double period

Return the simplified canonical path.

```
import re
class Solution:
   def simplifyPath(self, path: str) -> str:
      if path[-1] == '/':
        path = path[:-1]
```

71 simplify path 1

```
path = path[1:]
path = path.split('/')
stacked_path = []
for i in path:
   if i == '':
       continue
   if i == '.':
        continue
    if i == '..':
       if len(stacked_path) == 0:
           continue
       stacked_path.pop()
    else:
        stacked_path.append(i)
path = stacked_path
print (path)
if len(path) == 0:
    return '/'
if len(path) == 1:
   return '/' + path[0]
return '/' + '/'.join(path)
```

71 simplify path 2