

# Sanchez's Personal Assistance v0.1



Udin Sanchez has just finished his personal assistance bot, it does not have a name yet and is still version v0.1. This personal assistant job is to summarize where Udin keeps his file in his super quantum computer. Since Udin is a clumsy guy, he never writes the path to his file in a clear manner. This is where PA v0.1 comes in handy as it will learn to fix the path.

Your job is to create a program to give the correct answer to the badly written path to Udin's file. This then will be fed to the PA v0.1 algorithm for it to learn. If you give the wrong answer, the bot will also learn badly, so make sure to give the correct answer to create a perfect AI Overlord Personal Assistance for Udin Sanchez.

Your program will be given input to all of Udin Sanchez's file paths, and in return, your program will spit out the corrected path. Here is some basic rule:

- All paths must start with '/'.
- All paths must not end with '/'
- Any directory must be separated with a single '/'
- The path only contains a directory path from the root to the target file. (i.e. no relative path such as '.' (current directory) or '..' (previous directory).

Here is some example that Udin Sanchez has made for you before he goes out to another dimension for adventure. Your program will stop spitting the answer once it receives the word "stop". The input will also not be longer than 2000 characters and will not contain any other character other than a-z, A-Z, '.', '\_', and '/'.

**Sample Input:**

```
/catkin_ws/  
/ros_ws  
/..  
/catkin_ws/src/  
/a//b////c/d//../...  
/  
/.ros/  
/a/./b/../../../../c/  
folder  
./.  
/.../.../.../..  
../folder1/.../homework  
/..ini_folder_biasa..  
/ini.juga  
/..../amanbos/  
stop
```

**Sample Output:**

```
/catkin_ws  
/ros_ws  
/  
/catkin_ws/src  
/a/b/c  
/  
/.ros  
/c  
/folder  
/  
/  
/homework  
/..ini_folder_biasa..  
/ini.juga  
/..../amanbos
```

There should be no more examples of tricky input. Goodluck!  
Hint: Use Stack