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| **Assignment Case** | Description: LogoBINUS-University |
| CH1Special |
| **Periode Berlaku** Semester Ganjil 2021/2022  ***Valid on*** *Odd Semester Year 2021/2022* | **Software Laboratory Center**  **Assistant Recruitment 22-1** |

## **Soal**

*Case*

**UNIX Directory Path**

Given an **absolute** **UNIX Path** that starting with a slash (/). Convert it to simplified **canonical** **path**. The **canonical** **path** should have the following format:

* The path starts with a single slash '/'.
* Any two directories are separated by a single slash '/'.
* 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 '..')

**Input**The program will ask for a string **path**.

**Constraint**

1 ≤ strlen(path) ≤3000

**Output**Print the output with ”OK” without quotes.

**Example (Print out one ‘\n’ at the end of the results)**

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| **Input** | **Output** |
| /home/ | /home/ |
| /home//foo/ | /home/foo |
| /a/../b/ | /b |