

Overview: Verify that a URL is valid.

Description: Despite having recently helped save the world (again), Steve Rogers, aka Captain America, is worried that the state of the current job market will prevent him from securing a stable job. To increase his chances of successfully finding a job in the modern world, Tony Stark has set up a LinkedIn profile for him, complete with photogenic picture, numerous connections to S.H.I.E.L.D agents, and a beautifully filled out work experience section (he hopes people won't ask too many questions about Steve's seventy-plus year long "experience" as a super-soldier).

Unfortunately, when Steve tried to further edit his profile, he ran into an problem: apparently, "I love America" is not a proper home page URL! Steve doesn't understand. He loves America. As a genius billionaire playboy philanthropist, Tony doesn't have to time to go through the massive list of things Steve thinks is a valid home page and explain what is or isn't a valid URL. This is where you come in. Fortunately, Tony and Steve don't want you to manually go through a list of URL's - they just want you to write a program to do so. Will you help them?

A scheme consists of a string of one or more letters and digits, followed by the string "://". For example, "http://" is a valid scheme.

A path is a string of one or more letters, digits, periods ('.') and forward slashes ('/').

A valid URL consists of a *scheme* followed immediately by a *path*, with no extraneous characters. For example, "http://example.com/hello/world.html" is a valid URL. (Note: This definition of the URL differs from the real-world definition.)

Filename: adv22.{java, cpp, c, cc, py}

Input: A single string representing the user input.

Output: If the input is a valid URL, the output should be the single word "YES". Otherwise, the output should be the single word "NO".

Assumptions: The input will be less than 1,000 characters long.
There is exactly one line in the input file.

Sample Input #1: http://example.com/hello/world.html

Sample Output #1: YES

Sample Input #2: no-scheme-url.com/index.html

Sample Output #2: NO

Sample Input #3: this123://is.a/valid.url/456

Sample YES
Output #3