## Problem 3 – Extract Hyperlinks – 33%

Write a JavaScript function to **extract all hyperlinks** (**<href=…>**) from given text. The text comes as **array of strings**, passed as parameter to your function. Print at the console the **href** values in the text.

The input text is **standard HTML code**. It may hold many tags and can be formatted in many different forms (with or without whitespace). The **<a>** elements may have many attributes, not only **href**. You should extract only the values of the **href** attributes of all **<a>** elements.

### Input

The input data comes as **array of strings**, holding the text lines.

### Output

Print at the console the **href** values in the text, each at a separate line, in the order they come from the input.

### Constraints

* The input will be passed to the first JavaScript function found in your code as **array of strings**.
* The input will be **well formed HTML fragment** (all tags and attributes will be correctly closed).
* Attribute values will never hold tags and hyperlinks, e.g. "**<img alt='<a href="hello">' />**" is invalid.
* Commented links are also extracted.
* The number of input lines will be in the range [1..100].
* Allowed working time: 0.2 seconds. Allowed memory: 16 MB.

**function** *solve*(input) {  
  
**let** pattern = /(<a(.\*?)href\s\*=\s\*(["|'](.\*?)["|'](.\*?))>)/g;  
**let** arr = [];  
  
 **for** (**let** sentence **of** input) {  
  
 **while** (match = pattern.exec(sentence)){  
 arr.push(match[4]);  
 }  
 }  
  
 **console**.log(arr.join(**'\n'**));  
}  
  
*solve*([  
 **'<a href="http://softuni.bg" class="new"></a>'**]);

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| <a href="http://softuni.bg" class="new"></a> | http://softuni.bg |
| <p>This text has no links</p> |  |
| <!DOCTYPE html>  <html>  <head>  <title>Hyperlinks</title>  <link href="theme.css" rel="stylesheet" />  </head>  <body>  <ul><li><a **href="/"** id="home">Home</a></li><li><a  class="selected" **href=/courses**>Courses</a>  </li><li><a **href =**  **'/forum'** >Forum</a></li><li><a class="href"  onclick="go()" **href= "#"**>Forum</a></li>  <li><a id="js" **href =**  **"javascript:alert('hi yo')"** class="new">click</a></li>  <li><a id='nakov' **href =**  **http://www.nakov.com** class='new'>nak</a></li></ul>  <a **href="#empty"**></a>  <a id="href">href='fake'<img src='http://abv.bg/i.gif'  alt='abv'/></a><a **href="#"**>&lt;a href='hello'&gt;</a>  <!-- This code is commented:  <a href="#commented">commentex hyperlink</a> -->  </body> | /  /courses  /forum  #  javascript:alert('hi')  http://www.nakov.com  #empty  #  #commented |