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Practice > Python > Regex and Parsing > Regex Substitution

# **Regex Substitution ☆**

49/115 challenges solved Rank: 10038 | Points: 825 (1)



# X Your Regex Substitution submission got 20.00 points. Share Try the next challenge | Try a Random Challenge

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Problem	Submissions	Leaderboard	Discussions	Editorial 🖰	i e		
The <i>re.sub()</i> tool ( <i>sub</i> stands for <i>substitution</i> ) evaluates a pattern and, for each valid match, it calls a					Author	DOSH	
method (or lambda).					Difficulty	Mediur	
The <i>method</i> is called for all matches and can be used to modify strings in different ways.					Max Score	2	
The <i>re.sub()</i> method returns the modified string as an output.					Submitted By 597.		
earn more about		an output			NEED HELP?		
	•						
Transformation of Strings					View discussions		
ode					☐ View editorial		
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import re							
#Squaring numbers					RATE THIS CHALLENGE		
<pre>def square(match):</pre>					<b>&amp; &amp; &amp; &amp; &amp;</b>		
<pre>number = int(match.group(0))</pre>							
return st	r(number**2)				MORE DETAILS		
print re.sub(r"\d+", square, "1 2 3 4 5 6 7 8 9")							
						t cases	
Output					Suggest Edits	c cases	
1 4 9 16 25 36 49 64 81					suggest Edits		
Replacements in S	Strings						
Code							
import re							
html = """							
<head></head>							
<title>HTML&lt;&lt;/td&gt;&lt;td&gt;/title&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/head&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;="application/x-fla&lt;/td&gt;&lt;td&gt;sh"&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;data="your-&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;width="0" h&lt;/td&gt;&lt;td&gt;nenght="0"&gt;&lt;br&gt;n name="movie" valu&lt;/td&gt;&lt;td&gt;e="vour-file swf" /&lt;/td&gt;&lt;td&gt;'&gt;&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;rname="movie" vatu&lt;br&gt;="quality" value="h&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;pre&gt;&lt;/pre&gt;&lt;/pre&gt;&lt;/pre&gt;&lt;/td&gt;&lt;td&gt;.— quatrty vatue- I&lt;/td&gt;&lt;td&gt;11811 /&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;., 00, 000&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>							

#### Task

You are given a text of  $oldsymbol{N}$  lines. The text contains && and  $|\cdot|$  symbols.

Your task is to modify those symbols to the following:

```
&& → and
|| → or
```

Both && and || should have a space " " on both sides.

#### **Input Format**

The first line contains the integer, N.

The next N lines each contain a line of the text.

## Constraints

## 0 < N < 100

Neither && nor || occur in the *start* or *end* of each line.

#### **Output Format**

Output the modified text.

#### Sample Input

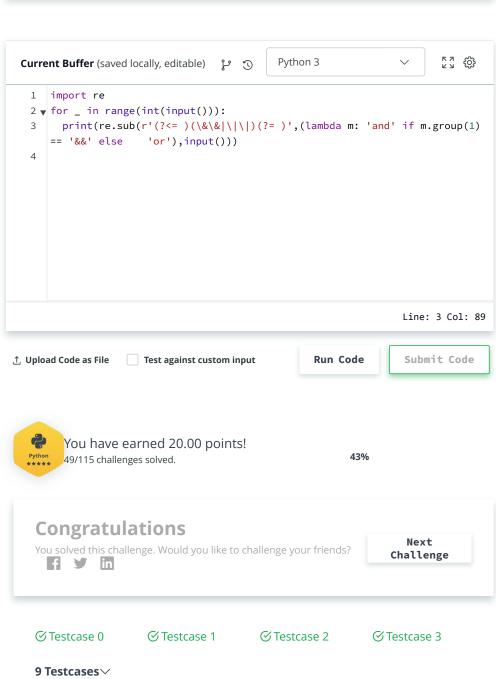
```
11
a = 1;
b = input();

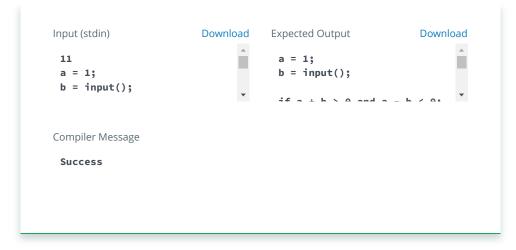
if a + b > 0 && a - b < 0:
    start()
elif a*b > 10 || a/b < 1:
    stop()
print set(list(a)) | set(list(b))
#Note do not change &&& or ||| or & or |
#Only change those '&&' which have space on both sides.
#Only change those '|| which have space on both sides.</pre>
```

#### Sample Output

```
a = 1;
b = input();
if a + b > 0 and a - b < 0:
    start()
```

```
elif a*b > 10 or a/b < 1:
    stop()
print set(list(a)) | set(list(b))
#Note do not change &&& or ||| or & or |
#Only change those '&&' which have space on both sides.
#Only change those '|| which have space on both sides.</pre>
```





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