

Your Regex Substitution submission got 20.00 points.

Share

Tweet

Try the next challenge | Try a Random Challenge

ProblemSubmissionsLeaderboardDiscussionsEditorial

The re.sub() tool (sub stands for substitution) evaluates a pattern and, for each valid match, it calls a method (or lambda).

The method is called for all matches and can be used to modify strings in different ways.

The re.sub() method returns the modified string as an output.

Learn more about **re.sub()**.

Transformation of Strings

Code

```
import re

#Squaring numbers
def square(match):
    number = int(match.group(0))
    return str(number**2)

print re.sub(r"\d+", square, "1 2 3 4 5 6 7 8 9")
```

Output

```
1 4 9 16 25 36 49 64 81
```

Replacements in Strings

Code

```
import re

html = """
<head>
<title>HTML</title>
</head>
<object type="application/x-flash"
data="your-file.swf"
width="0" height="0">
<!-- <param name="movie" value="your-file.swf" /> -->
<param name="quality" value="high"/>
</object>
"""

print re.sub("<!--.*?-->", "", html) #remove comment
```

Output

```
<head>
<title>HTML</title>
</head>
<object type="application/x-flash"
data="your-file.swf"
width="0" height="0">

    <param name="quality" value="high"/>
</object>
```

Task

You are given a text of **N** lines. The text contains && and || 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.
```

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.
```

Author [deleted]

Difficulty Medium

Max Score 20

Submitted By 19088

NEED HELP?

- View discussions
- View editorial
- View top submissions

RATE THIS CHALLENGE

☆☆☆☆☆

MORE DETAILS

- Download problem statement
- Download sample test cases
- Suggest Edits

Change Theme Python 3

```
1 # Enter your code here. Read input from STDIN. Print
2 output to STDOUT
3 import re
4 n=int(input())
5 for i in range(n):
6     a=input()
7     #print(a)
8     a=re.sub(r'(?<= )\&\&(?= )','and',re.sub(r'(?<= )\|\|
9     (?= )','or',a))
10    print(a)
```

Line: 9 Col: 1

Upload Code as File

Run Code

Submit Code

☐ Test against custom input

Python *****

You have earned 20.00 points!

35/115 challenges solved.

30%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Test case 7

Test case 8

Compiler Message

Success

Input (stdin)

Download

```
1 11
2 a = 1;
3 b = input();
4
5 if a + b > 0 && a - b < 0:
6     start()
7 elif a*b > 10 || a/b < 1:
8     stop()
9 print set(list(a)) | set(list(b))
```