

i春秋试验场 CTF夺旗赛（第二季）WEB calculate、calculate2

原创

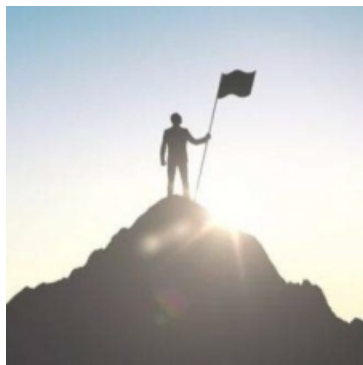
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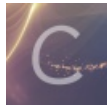
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[i春秋试验场 CTF夺旗赛（第二季）WEB calculate、calculate2](#)

emmmm, 这个比赛是10月26结束的, 刚刚好那一天去i春秋逛了一下
恰好看见有这个比赛, 就做了几道题目, 这两个题是跑脚本的, 计算网页类算式的那种
觉得有点意思就记录一下

calculate

Answer the questions for 10 times and you can get flag.

You Have answered 0 questions;

256-490=

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calculate

Answer the questions for 10 times and you can get flag.

You Have answered 0 questions;

481+26+481*26=

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两道题目其实差不多, 写的这个脚本两道题都可以跑, , ,
直接能出答案, 失败了就多运行几次就行
其实这两道题是有区别的:

```
<h1>calculate</h1>
<p>Answer the questions for 10 times and you can get flag.</p>
<p> You Have answered 0 questions;</p>
<form action="" method="post">
189*820
<input type="text" name="ans">
<input type="submit" value="send!">
</form>
```

```
<h1>calculate</h1>
<p>Answer the questions for 10 times and you can get flag.</p>
<p> You Have answered 0 questions;</p>
<form action="" method="post">
<div style="display:inline;color:#9005FD">9</div><div style="display:inline;color:#8C12CE">5</div><div style="display:inline;color:#D0107D">8</div><div style="display:inline;color:#7B255D">+</div><div style="display:inline;color:#D75A68">1</div><div style="display:inline;color:#DF9E59">6</div><div style="display:inline;color:#CD5D01">2</div><div style="display:inline;color:#CD2DE9">=</div>
<input type="text" name="ans">
<input type="submit" value="send!">
</form>
```

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第二题每个数字都用div进行了包裹, , ,
网址我写的时候还能访问:

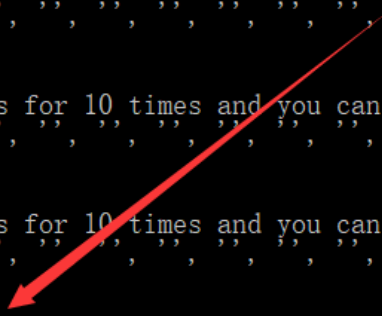
```
http://120.55.43.255:13001/  
http://120.55.43.255:13002/
```

不过我直接爬取网页把标签全部丢掉了，只获取我们能看见网页里的内容
所以两道题对我来说都是一样的，替换一下网址和cookie就行了，，
虽说题目比较简单，但是我在写脚本的时候不会利用python只爬取网页内容，，，
利用了正则匹配，，，所以决定记录一下：

```
import requests  
import sys  
import io  
import re  
import time  
  
sys.stdout = io.TextIOWrapper(sys.stdout.buffer,encoding='utf-8')  
url = "http://120.55.43.255:13001/"  
headers = {"Cookie": "PHPSESSID=1vd6nsquaic0q1o3jmb9s6mg1"}  
  
s = requests.get(url)  
dr = re.compile(r'<[^>]+>',re.S).sub('',s.text).split('\n')  
  
i = 0  
  
while i < 20:  
    #print(dr)  
    print(i)  
    x = dr[6].split("=")  
    data = eval(x[0])  
    print(x[0]+"="+str(data))  
    time.sleep(1)  
    r=requests.post(url,headers=headers,data={'ans':data})  
    dr = re.compile(r'<[^>]+>',re.S).sub('',r.text).split('\n')  
    print(dr,end="\n")  
    i += 1
```

第一题:

```
5
141*950=133950
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Have answered
', '603-740=', ]
6
603-740=-137
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Have answered
', '704+437=', ]
7
704+437=1141
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Have answered
', '561-585=', ]
8
561-585=-24
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Have answered
', '787+482=', ]
9
787+482=1269
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Have answered
', '347*978=', ]
10
347*978=339366
['flag{70cdd-6b787c5909a8bffa6f0800-ac075}']
11
https://blog.csdn.net/qq_42967398
```



第二题:

```
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Hav
', '805+428=', ]
7
805+428=1233
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Hav
', '901+310+901*310=', ]
8
901+310+901*310=280521
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Hav
', '421-732=', ]
9
421-732=-311
['calculate', '', 'Answer the questions for 10 times and you can get flag,', ' You Hav
', '787*311=', ]
10
787*311=244757
['flag{795c3-eccb932f6a2f74ac0d9013-a7ba7}']
11
https://blog.csdn.net/qq_42967398
```