



Picker2 Writeup

In this challenge, we had to figure out how to call the `win` function even though the program blocked it. Here's how we solved it step by step:

Step 1: Understanding the Problem

```
def filter(user_input):  
    if 'win' in user_input:  
        return False  
    return True
```

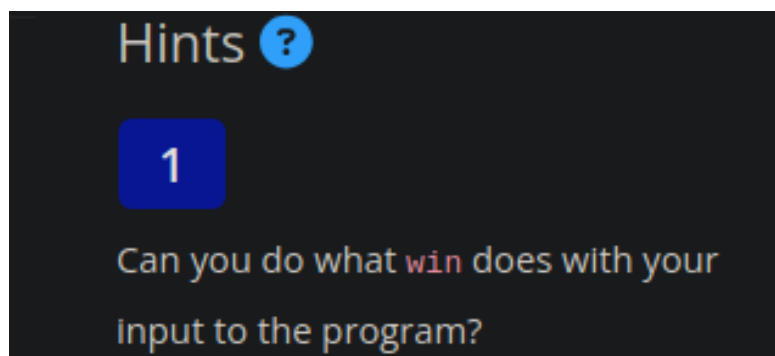
The program used `eval()` to run user input but blocked anything with the word `'win'`. We also couldn't assign values or use indirect methods to call `win`. Because of `filter()`

Step 2: Failed Attempts

We tried breaking the word `'win'` into pieces or building it dynamically, but `eval()` didn't allow that. Other tricks also didn't work because of the program's restrictions.

```
(base) dd@dd-spr:~/Desktop/ctfmid/reverse_eg/packer2$ nc saturn.picoc.tf.net 6125  
7  
==> w+in  
invalid syntax (<string>, line 1)  
  
nc: port number invalid: 5353  
(base) dd@dd-spr:~/Desktop/ctfmid/reverse_eg/packer2$ nc saturn.picoc.tf.net 5353  
4  
==> a = open('file.txt','r').read  
invalid syntax (<string>, line 1)  
  
(base) dd@dd-spr:~/Desktop/ctfmid/reverse_eg/packer2$ nc saturn.picoc.tf.net 5353  
4  
==> a=open('flag.txt','r').read  
invalid syntax (<string>, line 1)
```

Step 3: Finding a Hint



Step 4: Solving It