

What an Amazing Play!

The first step is to identify the esoteric language which is SPL (Shakespeare Programming Language).

```
1 Another Great CTF.
2
3 Romeo, a good man with amazing humor.
4 Juliet, an amazing woman of remarkable grace.
5 Ophelia, a great woman in a dispute with Hamlet.
6 Hamlet, This guy needs no description.
7
8
9 | | | Act I: Hamlet Talks.
10
11 | | | Scene I: The clever insult of everybody.
12
13 [Enter Hamlet and Romeo]
14
15 Hamlet:
16 You lying stupid fatherless big smelly disgusting coward! You are the product
17 of thyself and a pig! You are the product of yourself and a happy flower!
18 You are the sum of yourself and a big smelly disgusting rotten fatherless pig!
19 You are the sum of yourself and a happy peaceful little flower! Speak your mind!
20
21 You are an amazing beautiful brave charming gentle healthy pony!
22 You are the sum of yourself and a beautiful little mighty gentle peaceful rose!
23 You are the sum of thyself and a plum! Speak your mind!
24
25 You are a peaceful noble brave amazing gentle healthy king!
26 You are the sum of yourself and a beautiful little mighty gentle peaceful rose!
27 You are the sum of thyself and a plum! You are the sum of thyself and a cute flower!
28 Speak your mind!
29
30 You are a trustworthy handsome fair fine smooth gentle mighty lord!
31 You are the sum of thyself and a lying miserable stinking sorry bastard!
32 You are the sum of thyself and a stupid stinking wolf! You are the sum of yourself
33 and a pig! Speak your mind!
34
```

Visualization

The stage is empty

Romeo: 115
Juliet: 123
Ophelia: 114
Hamlet: 125

User Input	Execution Output
Enter program input here...	hacks{

It is clear that the flag is incomplete. The next task is to print the remaining part of the flag by using the print function in spl which is **Speak your mind!** On various where this statement seems to be messing to complete the flag.

```
81 You are as bad as Romeo. You are the sum of yourself and a rotten infected lying
82 miserable rotten pig. You are the difference between yourself and a smelly wolf.
83 Speak your mind!
84
85 You are as bad as Romeo. You are the difference between yourself and a fine
86 pretty noble honest lord! You are the difference between yourself and a rich sunny
87 pony! Speak your mind!
88
89 You are a trustworthy sweet gentle pretty amazing noble king. You are the difference
90 between thyself and a fine honest healthy charming angel. You are the sum of yourself
91 and a charming angel. You are the sum of yourself and a king. You are the sum
92 of yourself and a pretty charming angel. You are the sum of yourself and
93 a rose. Speak your mind!
94
95 You are as bad as Romeo. You are the difference between yourself and a hero.
96 Speak your mind!
97
98 Ophelia:
99 You are as bad as Romeo. You are the sum of yourself and a cute noble pony!
100 You are the difference between thyself and a pretty rose.
101 Speak your mind!
102
103 You are a sweet reddest gentle pretty amazing noble king. You are the difference
104 between thyself and a fine honest healthy charming angel. You are the sum of yourself
105 and a charming angel. You are the sum of yourself and a king. You are the sum
106 of yourself and a pretty charming angel. Speak your mind!
107
108 You are a reddest sunny gentle pretty amazing noble king. You are the difference
109 between thyself and a fine honest healthy charming angel. You are the sum of yourself
110 and a charming angel. You are the sum of yourself and a king. Speak your mind!
111
112 You are a rotten snotty sorry vile worried infected wolf.
113 You are the sum of yourself and a rose. You are the product of yourself and a toad.
114 Speak your mind!
115
```

Visualization

The stage is empty

Romeo: 115
Juliet: 123
Ophelia: 114
Hamlet: 125

User Input	Execution Output
Enter program input here...	hacks{3t_7U_8ru73?}