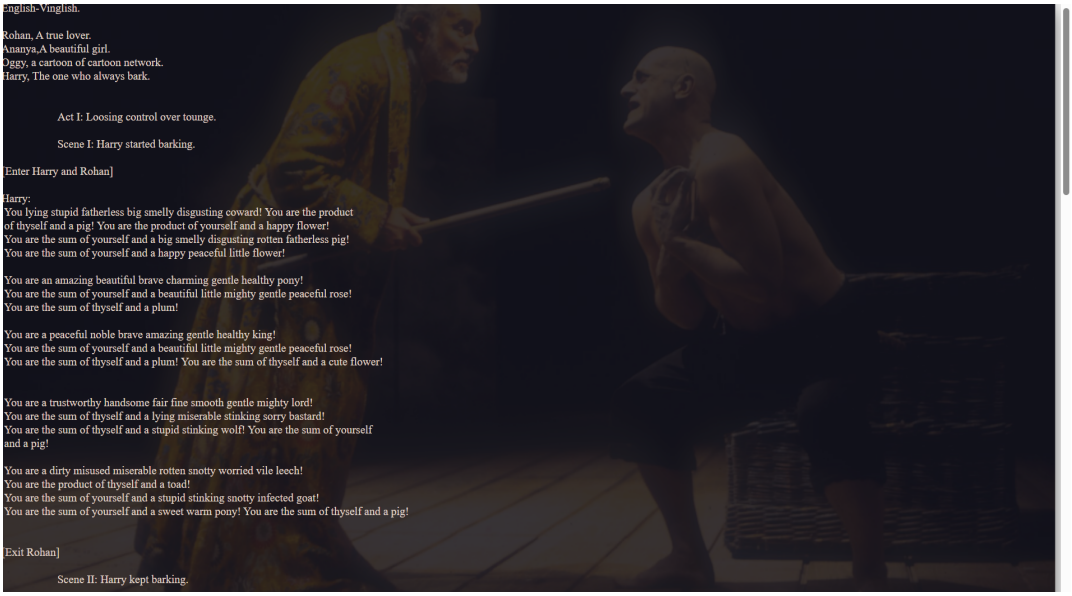
Shakespeare CTF – Official Writeup

Challenge Name: The False Soliloquy
Category: Misc / Esoteric Programming Language
Difficulty: Medium

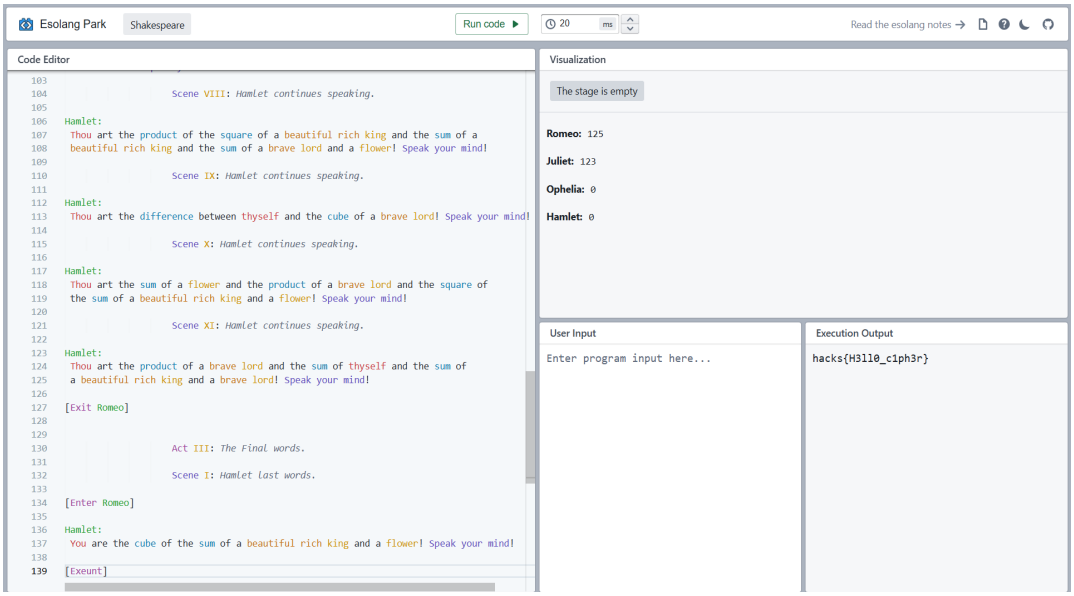
Step 1: Executing the Provided Code

The given Shakespeare Programming Language (SPL) source code is executed using the online interpreter available at https://esolangpark.vercel.app/ide/shakespeare. Running the code initially produces theatrical dialogue but does not directly reveal the flag.



Step 2: Normalizing Character Names and Forcing Output

The source code contains unauthorized character names not supported by the Shakespeare interpreter. These names must be replaced with valid characters. Additionally, multiple arithmetic computations are performed internally without printing their results. By inserting the statement *Speak your mind!* multiple times, the hidden values are forced to print.



Step 3: Retrieving the Flag

After correcting the character names and adding the required output statements, the program is executed again. The output now clearly reveals the flag.

Flag: hacks{H3ll0_c1ph3r}