

In the first step, I checked the value of the string inside the program using the following command:

```
strings <file> | grep "BASC"
```

And the output showed that the value of the flag is inside the file. Using Ghidra and searching inside the binary, I found the value of the flag, which is equal to:

BASC{you_g0t_the_args_right}.

Also, by checking the source when running the program, if the following values are given in each input line:

Color me your color, baby

Color me your car

Color me your color, darling

A function call is made that prints the hex address of the function containing the flag

For this reason, in the patched file, I replaced the value of the initial conditions for checking the counter of correct entries from the list with NOP 90, then I replaced the value of CALL printf with the function containing the flag.

In the next step, when it was not possible to send inputs, I replaced all three conditions inside the function 0x000111fd, which were JZ, with JMP, so it jumped from the conditions and the flag was printed regularly.