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Analysis:

The program is developed according to the EVA design pattern. Input and output are done in the console.

Output is done in the console.

Testing the program:

Enter needle: c Enter haystack: abcdefghijklmnopqrstuvwxyz Output: 2

Enter needle: hi Enter haystack: abcdefghijklmnopqrstuvwxyz Output: 7

Enter needle: abcd Enter haystack: abcdefghijklmnopqrstuvwxyz Output: 0

How to use the programm:

1. Open the console
2. run the the program with the command: python3 gpr_ue-5.py
3. Enter the needle
4. Enter the haystack
5. The output is displayed in the console