

(1)



Problem Set due Sep 9, 2022 07:30 +08 Completed

Problem 3

15.0/15.0 points (graded)

Assume s is a string of lower case characters.

Write a program that prints the longest substring of s in which the letters occur in alphabetical order. For example, if $s = \frac{azcbobobegghak1}{a}$, then your program should print

```
Longest substring in alphabetical order is: beggh
```

In the case of ties, print the first substring. For example, if s = 'abcbcd', then your program should print

```
Longest substring in alphabetical order is: abc
```

Note: This problem may be challenging. We encourage you to work smart. If you've spent more than a few hours on this problem, we suggest that you move on to a different part of the course. If you have time, come back to this problem after you've had a break and cleared your head.

```
1 \text{ maxstr} = s[0]
 2 \text{ currstr} = s[0]
 4 try:
 5
       for i in range(len(s)):
 6
           if s[i+1] >= s[i]:
 7
               currstr += s[i+1]
 8
                if len(maxstr) < len(currstr):</pre>
 9
                    maxstr = currstr
10
           else:
                currstr = s[i+1]
11
12 except:
13
       pass
14
15 print(maxstr)
```

Press ESC then TAB or click outside of the code editor to exit

You have used 2 of 30 attempts

Correct

Test results

CORRECT

See full output

Important

Only hit "Submit" once per submission. You only get 30 checks per problem.

If you believe you have correct code but it is marked incorrect after clicking "Check"...

"Staff Debug: L397 Error" means your code has an infinite loop...

Do not define your own values

Problem 3

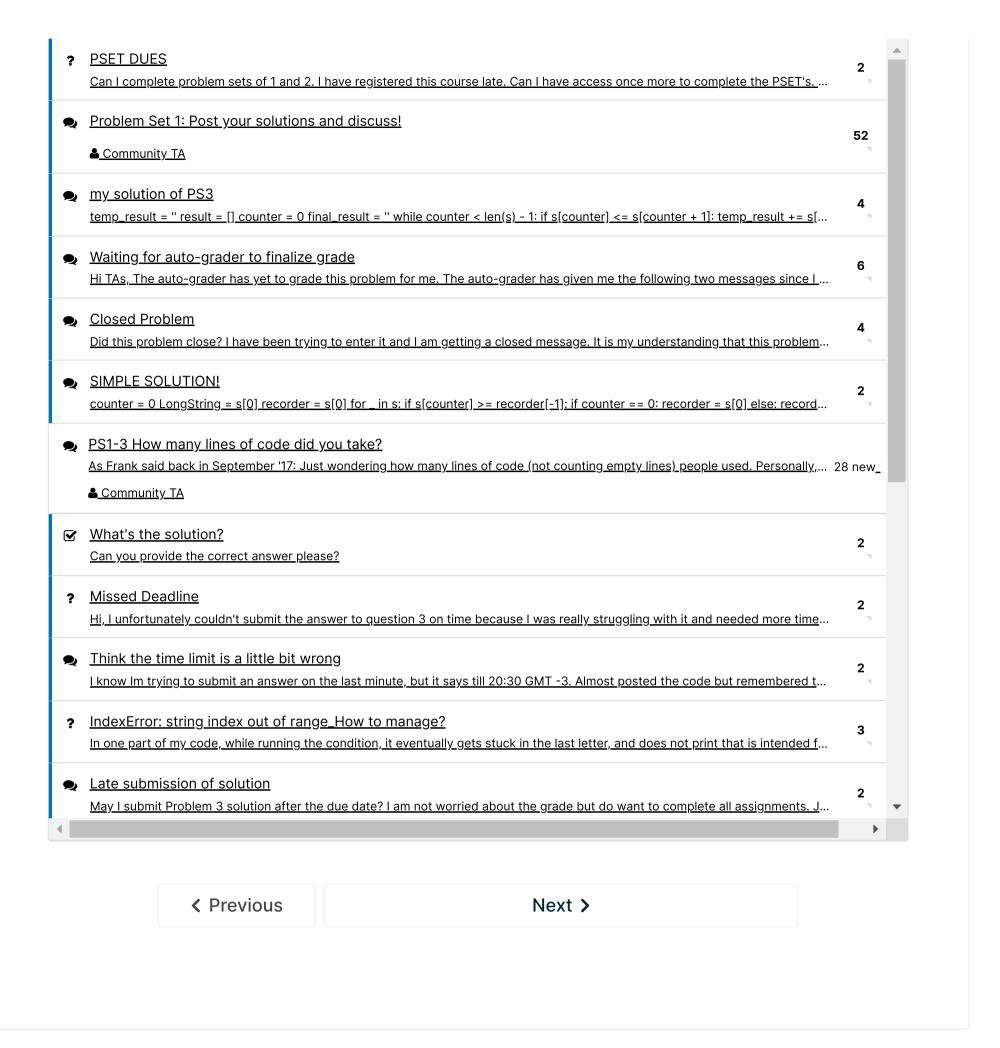
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