



< Previous



Next >

## Problem 3

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## Problem 3

1.0/1 point (ungraded)

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 = 'azcbobobegghakl'`, 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 # Initialize theMatch to hold first character of s
2 bestMatch = s[0]
3
4 # Initialize testString to first character of s
5 testString = s[0]
6
7 # We are going to start at s[1] since we
8 # initialized value of testString to s[0]
9 for i in range(1, len(s)):
10
11     # My troubleshooting print statements. Comment out before sub
12     # print "s[i]: " + s[i]
13     # print "bestMatch: " + bestMatch
14
15     if s[i] >= s[i-1]:
16         testString = testString + s[i]
```

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

Correct

## Test results

See full output

CORRECT

See full output

### Important

Only hit "Check" 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

Submit

## PSET 1: Problem 3

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Feedback on my code?

3

How can I improve this? Also, can I clean up the "Initial Values" section? I find that ...



modify s

3

is it cheating or problematic, to modify s in order to get the results?

< Previous

Next >

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