edX (https://www.edx.org)

MITx: 6.00.1x Introduction to Computer Science and Programming Using Python

zhushun0008 (/dashboard)

Courseware (/courses/MITx/6.00.1_3x/2T2014/courseware)   Updates & News (/courses/MITx/6.00.1_3x/2T2014/info)

Calendar (/courses/MITx/6.00.1_3x/2T2014/89309559b0414f6d8cbef9e48ca19f4b/)   Wiki (/courses/MITx/6.00.1_3x/2T2014/course_wiki)

Discussion (/courses/MITx/6.00.1_3x/2T2014/discussion/forum)   Progress (/courses/MITx/6.00.1_3x/2T2014/progress)

Help

ALPHABETICAL SUBSTRINGS (15 points possible)

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
```

For problems such as these, do not include `raw_input` statements or define the variable `s` in any way. Our automated testing will provide a value of `s` for you - so the code you submit in the following box should assume `s` is already defined. If you are confused by this instruction, please review L4 Problems 10 and 11 before you begin this problem set.

Note: This problem is fairly 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  # Paste your code into this box
```

Unanswered

| Check | | Save | *You have used 0 of 30 submissions* |

Show Discussion   New Post