



[Curso](#) > [Week 1...](#) > [Proble...](#) > Proble...

Audit Access Expires 5 de ago de 2020

You lose all access to this course, including your progress, on 5 de ago de 2020.

Problem 3

Problem Set due Jun 18, 2020 20:30 -03 *Completo*

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 = '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 # Paste your code into this box
2 i = 0
3 trechoG = s[0]
4 trecho = ''
5 indice = 0
6
7 while True:
```

```
8     if s[i] <= s[i + 1]:
9         trecho = s[i]
10        indice = i
11        while (s[indice] <= s[indice+1]):
12            trecho += s[indice+1]
13            indice += 1
14            if indice == len(s)-1:
15                break
16
```

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

Correta

Test results

[Hide output](#)

CORRECT

s = 'jhxxszaiudioe'

Output:

Longest substring in alphabetical order is: hxx

s = 'icodxhjnwjqxftiwtg'

Output:

Longest substring in alphabetical order is: hjnw

s = 'hmfrokizstqikq'

Output:

Longest substring in alphabetical order is: ikq

```
s = 'jtakiuxhufobvmawrtb'
```

Output:

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

```
s = 'eojsxfaldmnnmgeacf'
```

Output:

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

```
s = 'jiagtjcpyjpbokkrlyfyt'
```

Output:

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

```
s = 'wuyvjmkdtnwcaw'
```

Output:

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

```
s = 'abcdefghijklmnopqrstuvwxyz'
```

Output:

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



`s = 'egclhybjomsn'`

Output:

Longest substring in alphabetical order is: bjo

`s = 'cibtpaofvptbbevyhkscm'`

Output:

Longest substring in alphabetical order is: bbevy

`s = 'cucaokctlhtolzdr'`

Output:

Longest substring in alphabetical order is: cu

`s = 'zyxwvutsrqponmlkjihgfedcba'`

Output:

Longest substring in alphabetical order is: z

`s = 'jutgeomkhmdysmaxcnccinsr'`

Output:



Longest substring in alphabetical order is: ccins

s = 'yxaaurnjnn'

Output:

Longest substring in alphabetical order is: aa

s = 'rkrncyzqhfobajyqceveuiw'

Output:

Longest substring in alphabetical order is: cyz

s = 'srjoszwh'

Output:

Longest substring in alphabetical order is: josz

s = 'awhpyhdqhpwgduzvfvlwny'

Output:

Longest substring in alphabetical order is: hpv

s = 'gjqbwzvwfllfzewouzfvyemk'

Output:



Longest substring in alphabetical order is: gjq

```
s = 'pfgvfosd'
```

Output:

Longest substring in alphabetical order is: fgv

```
s = 'fknrukbnsrds'
```

Output:

Longest substring in alphabetical order is: fknru

[Hide output](#)

Important

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

****** Our automatic grader may take a few minutes to respond with feedback. If you hit "Check" multiple times, you will lose a check for every press of the button.

****** If you're unfamiliar with how our autograder works, first try out one of the infinite check problems in the lecture sequences.

****** Please be judicious with your checks, as we are unable to give you more than 30 checks. However this should be more than sufficient: if you do your code development in your local environment, and ensure you can pass our test cases, you should not require more than a few checks once you paste your working, tested code into our code box.

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

****** After you submit your code, you can see every test case the graders runs on your code. They compare what your code outputs with what our answer code is supposed to output. Click the small link titled "See Full Output" below the Test Results header.



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

**** Clicking Check may give you the error:**

There was a problem running your solution (Staff debug: L379).

We couldn't run your solution (Staff debug: L397).

This means your code is taking too long or has an infinite loop. Test your code with more unique test cases, such as very large or very small values.

Do not define your own values

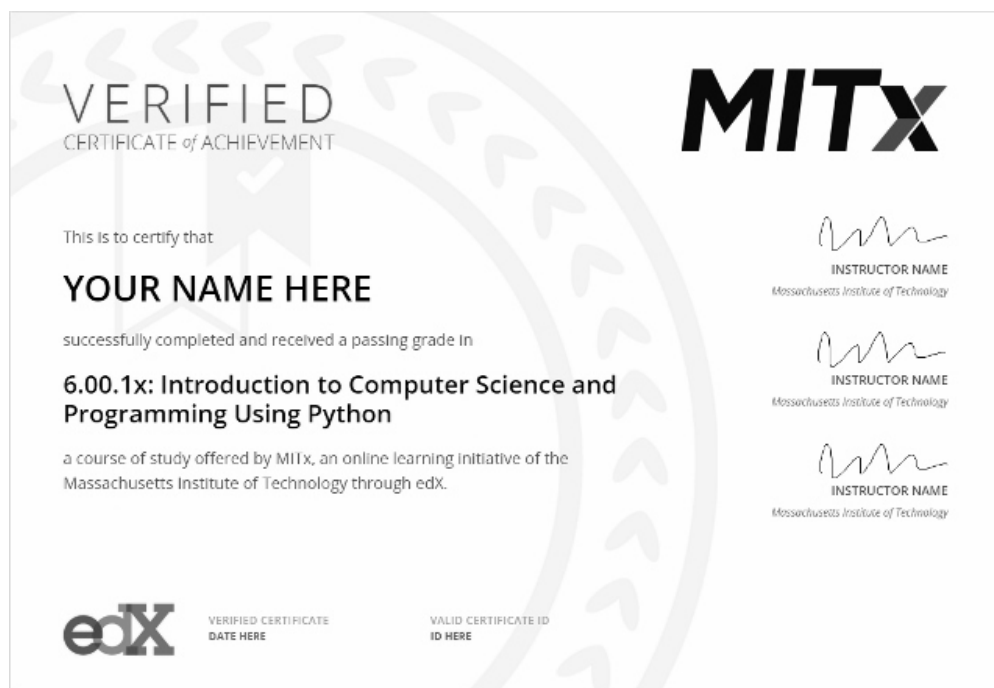
**** For problems such as these, do not include `input` statements or define variables we told you would be given. Our automated testing will provide values for you - so write your code in the following box assuming those variables are already defined.**

Enviar

You have used 3 of 30 attempts

Verified Certificates

Interested in using an edX certificate to bolster a college application or to advance your career? With an edX verified certificate, you can demonstrate to colleges, employers, and colleagues that you successfully completed a challenging edX course, while helping to support the edX non-profit mission. You can register to earn a Verified Certificate directly [here](#).



Problem 3

[Ocultar discussão](#)

Topic: Problem Set 1 / Problem 3

Show all posts ▼

por atividade recente ▼

- | | | |
|---|--|--------------|
| ? | Resubmit | 4 |
| | Hi, I submitted my code on time but it went on processing and never told me if it was correct ... | |
| 💬 | PS1-3 How many lines of code did you take? | 198 new_ 234 |
| | Community TA | |
| 💬 | Propose | 1 |
| | Hi all. I am new to programming in Python, with what I have seen in the course this is the prog... | |
| 💬 | [Spoiler] Think I solved Problem 3 | 4 |
| | I am auditing this class and decided to try the problems, here is the code that I believe solves ... | |
| 💬 | this one was quite challenging! | 3 |
| | Completing this exercise took me more than a day, the first two I felt were very easy and code... | |
| ? | Multiple sized strings within s | 2 |
| | Hi! So i finally finished problem 3 but the submission has expired. I was wondering if we were ... | |
| ? | Still processing | 1 |
| | Hello, I submitted the code the day before the deadline and it's still processing! I'm pretty sur... | |
| ? | extended deadline | 2 |
| | can i get an extension for the deadline? i was not familiar with the UTC timezone. even though... | |
| 💬 | An Approach to Problem 3 | 8 |
| | Hello everyone! I have been working on Problem 3 for the past two to three hours, and I have ... | |
| 💬 | Video Walkthrough for Problem 1.3 | 18 |
| | Hey Everyone! I just uploaded a two-part, revised video walkthrough for this problem. You can... | |
| | Community TA | |
| 💬 | Submit button is grayed out. | 3 |
| | Submit button is grayed out now. Is it due to the reason that due date for this problem has be... | |
| 💬 | Grading still processing. | 2 |
| | I submitted my code for this problem 2 days before the deadline and it's still processing. I'm p... | |
| ? | Finished!! May I have the inputs used by the auto-grader to test my code? | 2 |

© All Rights Res

