



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

Audit Access Expires Ago 5, 2020

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

Upgrade by Jul 1, 2020 to get unlimited access to the course as long as it exists on the site. [Upgrade now](#)

Problem 3

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
```

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: dmnn

`s = 'jiagtjcpyjpbokkrlvfytm'`

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 = 'jutgeomkhdymavencinen'



Output:

Longest substring in alphabetical order is: ccins

s = 'yxaaurnjnn'

Output:

Longest substring in alphabetical order is: aau

s = 'rkrncyzqhfbajyqceveuiw'

Output:

Longest substring in alphabetical order is: cyz

s = 'srjoszwh'

Output:

Longest substring in alphabetical order is: josz

s = 'awhvpvhdqhpwgduzvfvlwny'

Output:

Longest substring in alphabetical order is: hpv

s = 'gjqbwzvwwflfzewouzfvyemk'



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.

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

****** 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

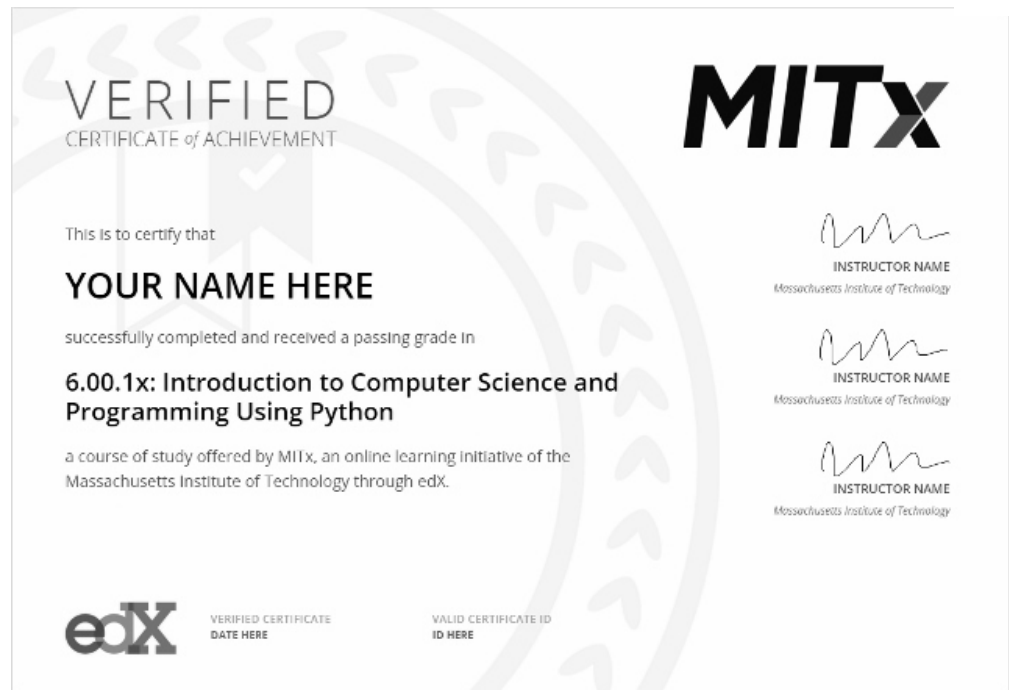
You have used 3 of 30 attempts

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

Add a Post

Show all posts ▼

por atividade recente ▼

-  [Video Walkthrough for Problem 1.3](#)
[Hey Everyone! I just uploaded a two-part, revised video walkthrough for this problem. You can...](#) 18
 [Community TA](#)
-  [Submit button is grayed out.](#)
[Submit button is grayed out now. Is it due to the reason that due date for this problem has be...](#) 3
-  [PS1-3 How many lines of code did you take?](#)
 195 new_ 231
 [Community TA](#)
-  [An Approach to Problem 3](#)
[Hello everyone! I have been working on Problem 3 for the past two to three hours, and I have...](#) 7

	<u>Grading still processing.</u> I submitted my code for this problem 2 days before the deadline and it's still processing. I'm p...	2
	<u>Finished!! May I have the inputs used by the auto-grader to test my code?</u> I finally figured out a solution. I am one day late, but I still feel a sense of great fulfillment, kno...	3
	<u>[SPOILER] please help me find out why my code only work half of the time?</u> Please any suggestion? First time doing programming, absolute zero experience with comput...	3
	<u>extended deadline</u> can i get an extension for the deadline? i was not familiar with the UTC timezone. even though...	1
	<u>14.25/25 Can't solve test case s = 'z'</u> I just can't figure out how to correct the case in wich the string is just one character long, even...	6
	<u>Grader still processing?</u> I submitted the assignment a couple of minutes before the deadline, but the grader is still pro...	3
	<u>A problem with question 2 and 3</u> Hello, I am writing this post to ask about a problem I encountered with the outputs of q 2 and ...	3
	<u>... and I'm out.</u> Many hours of pretty much going, "I haven't the foggiest idea where on earth to begin. At all. ...	6
	<u>So close getting the answer? Any advice to include the last letter?</u>	10

© All Rights Reserved

