

Once Upon A For-Loop

~~* Indica una domanda obbligatoria~~

1. I agree to participate in the research study. I understand the purpose and nature of this study, and I am participating voluntarily. I understand that I can withdraw from the study at any time, without any penalty or consequences. I grant permission for the data generated and anonymised from this study to be used in the researcher's publications on this topic.

Contrassegna solo un ovale.

☐ Yes

☐ No *Vai alla sezione 5 (Thank you).*

Read following description and answer the questions below

In the distant past, in the mythical realm of avalon a non-judgmental physician wanted to tell a story about a reluctant hero who discovers he has the power to control fire, Leo Bennett. The protective Leo had to surmount a brave test.

This task was called 'longestCommonPrefix'. The main purpose of this task was the quest of a necklace of characters. The tools he needed in order to begin included an ordered mutable collection of terms delimited by quotes called strs. Within this task the heroic Leo sets 'res' equal to "".

All of a sudden, like a careful dentist who checks every single tooth in the patient's mouth, he navigated each element defined as 'a' over the sequence generated by the special tool 'zip', zip needed extra properties to work: the unpacked version of 'strs'. This was possible only thanks to the magic of the asterisk.

The altruistic Leo checked whether the length of set of 'a' was equal to 1, in this case he enlarged 'res' by incrementing it by the element with index 0 from the object 'a'. In any other case he returned with 'res'. At the end of his task, Leo Bennett returned triumphant and victorious with 'res'.


1. Following, you will be shown a Python code, which is missing some lines. Refer to the description you just read and try to complete the TODOs.

Note that given indentations in the code should serve as a hint :)

You can find an EXAMPLE here:


Example

```
#TODO
mapped = []
n = 0
#TODO
    mapped.append(head)
    n += 1
head = head.next
#TODO
return mapped[k]
```



Please copy the provided code into your response and try to fill in the missing lines for the TODOs.

```
def middleNode(self, head: List):
    mapped = []
    n = 0
    while head:
        mapped.append(head)
        n += 1
        head = head.next
    k = n // 2 if n % 2 else ceil(n/2)
    return mapped[k]
```



2. #TODO

```
res = ""  
#TODO  
#TODO  
    res += a[0]  
else:  
    return res  
#TODO
```

Please copy the provided code into your response and try to fill in the missing lines for the TODOs.

3. 2. Reading the description, I recognize the following programming concepts: *

Seleziona tutte le voci applicabili.

- ☐ conditional statement (if, elif, else)
- ☐ for loop
- ☐ while loop
- ☐ function
- ☐ class
- ☐ list
- ☐ set
- ☐ dictionary
- ☐ variable assignment
- ☐ lambda function
- ☐ Altro: _____

Rate following statements on a scale with five options from 1 (Strongly disagree) to 5 (Strongly agree)

4. 3. The reading of the description is enjoyable to me. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

5. 4. After reading the description, it is evident to me that it is about programming code. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

6. 5. The description is entertaining and creative. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

7. 6. As a programming instruction, I find the description suitable. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

8. 7. The description makes sense to me. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

9. 8. After reading the description, it is easy to complete the code. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

10. 9. The description helps me understand the given code. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

11. 10. The description makes use of a technical language. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

12. 11. The description makes use of a narrative language. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

13. 12. The information in the description is conveyed (vermittelt) in a concise and precise manner.

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

14. 13. I would like to write code in this way in the future. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

15. 14. The description follows a logical sequence of events. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

16. 15. In the description I recognize a character, who acts. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

17. 16. In the description I recognize a series of challenges, the character has to deal with. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

Read following description and answer the questions below

Once upon a time, in a land of Python, there was a brave function called `findDisappearedNumbers`. This function had a noble quest: to find the disappeared numbers hidden within a list.

The function embarked on its journey by examining each number in the given list. For every number `i` encountered, the function calculated an index by taking the absolute value of that number and subtracting one. It believed that this index held a secret clue.

With each step, the function grew stronger, for it knew that the missing numbers desired to be found. To mark its progress, the function cast a spell upon the list, transforming the value at the calculated index into its negative counterpart. It hoped that by doing so, it could distinguish the numbers that were still present from those that had disappeared into thin air.

As the function continued its noble quest, it carried a vessel called "missing." This vessel was initially empty, waiting eagerly to be filled with the knowledge of the vanished numbers. The function examined each element in the list once more, searching for those that had escaped its previous spell. If it found a positive number, it knew it had discovered one of the disappeared.

With joy in its heart, the function added the missing number to its vessel, making sure to increase it by one to match the human tradition of counting from one. The function repeated this process until it had examined every element within the list.

Finally, when its quest was complete, the function returned the filled vessel, containing all the missing numbers it had rescued. It hoped that the person who called upon its services would find solace in the recovered knowledge and use it wisely.

And so, the brave function, `findDisappearedNumbers`, became a legend, celebrated throughout the land of Python for its ability to unveil the hidden truths within a list. Its tale was told and retold, reminding programmers of the power they held to illuminate the mysteries of the vanished numbers.

1. Following, you will be shown a Python code, which is missing some lines. Refer to the description you just read and try to complete the TODOs.

Note that given indentations in the code should serve as a hint :)

18. **#TODO**

```
for i in range(len(nums)):
    #TODO
    #TODO
    missing = []
    #TODO
    #TODO
    missing.append(i+1)
return missing
```

Please copy the provided code into your response and try to fill in the missing lines for the TODOs.

19. 2. Reading the description, I recognize the following programming concepts: *

Seleziona tutte le voci applicabili.

- ☐ conditional statement (if, elif, else)
- ☐ for loop
- ☐ while loop
- ☐ function
- ☐ class
- ☐ list
- ☐ set
- ☐ dictionary
- ☐ variable assignment
- ☐ lambda function
- ☐ Altro: _____

Rate following statements on a scale with five options from 1 (Strongly disagree) to 5 (Strongly agree)

20. 3. The reading of the description is enjoyable to me. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

21. 4. After reading the description, it is evident to me that it is about programming code. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

22. 5. The description is entertaining and creative. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

23. 6. As a programming instruction, I find the description suitable. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

24. 7. The description makes sense to me. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

25. 8. After reading the description, it is easy to complete the code. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

26. 9. The description helps me understand the given code. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

27. 10. The description makes use of a technical language. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

28. 11. The description makes use of a narrative language. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

29. 12. The information in the description is conveyed (vermittelt) in a concise and precise manner.

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

30. 13. I would like to write code in this way in the future. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

31. 14. The description follows a logical sequence of events. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

32. 15. In the description I recognize a character, who acts. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

33. 16. In the description I recognize a series of challenges, the character has to deal with. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

Read following description and answer the questions below

(START OF CODE)

import the class Counter from the library collections,

write the function countWords with following arguments: 'words1' as a list of strings 'words2' as a list of strings

(ASSIGNMENT OF VARIABLE)

set the variable count. count is defined as a the number: the number 0

(ASSIGNMENT OF VARIABLE)

set the variable x. a new instance of the function Counter is being created and assigned to x, call the function with following arguments: argument-1 the variable words1 .

(ASSIGNMENT OF VARIABLE)

set the variable y. a new instance of the function Counter is being created and assigned to y, call the function with following arguments: argument-1 the variable words2 .

(FOR-LOOP)

iterate: for each i, j over the sequence generated by attribute items; attribute items is applied to the variable x,

(START OF IF STATEMENT)

if the variable j is equal to the number 1 and if the element with index: i from 'y', is equal to the number 1 we now increment the variable count by the number 1
the function returns count,

(END OF FUNCTION)

1. Following, you will be shown a Python code, which is missing some lines. Refer to the description you just read and try to complete the TODOs.

Note that given indentations in the code should serve as a hint :)

34. from collections import Counter

#TODO

count = 0

#TODO

y = Counter(words2)

#TODO

#TODO

count+=1

#TODO

Please copy the provided code into your response and try to fill in the missing lines for the TODOs.

35. 2. Reading the description, I recognize the following programming concepts: *

Seleziona tutte le voci applicabili.☐ conditional statement (if, elif, else)☐ for loop☐ while loop☐ function☐ class☐ list☐ set☐ dictionary☐ variable assignment☐ lambda function☐ Altro: _____

Rate following statements on a scale with five options from 1 (Strongly disagree) to 5 (Strongly agree)

36. 3. The reading of the description is enjoyable to me. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

37. 4. After reading the description, it is evident to me that it is about programming code. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

38. 5. The description is entertaining and creative. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

39. 6. As a programming instruction, I find the description suitable. *

Contrassegna solo un ovale.

	1	2	3	4	5	
<hr/>						
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree
<hr/>						

40. 7. The description makes sense to me. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

41. 8. After reading the description, it is easy to complete the code. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

42. 9. The description helps me understand the given code. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

43. 10. The description makes use of a technical language. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

44. 11. The description makes use of a narrative language. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

45. 12. The information in the description is conveyed (vermittelt) in a concise and precise manner.

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

46. 13. I would like to write code in this way in the future. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

47. 14. The description follows a logical sequence of events. *

Contrassegna solo un ovale.

	1	2	3	4	5	
Stro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly agree

48. 15. In the description I recognize a character, who acts. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

49. 16. In the description I recognize a series of challenges, the character has to deal with. *

Contrassegna solo un ovale.

1 2 3 4 5

Stro ☐ ☐ ☐ ☐ ☐ Strongly agree

Thank you

Your response fails the requirements for the survey. But your response has been successfully registered. We appreciate the time you have given to this.

Questi contenuti non sono creati né avallati da Google.

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