Gainesville Python Ninjas May 27 2015



- (0) Introductions
- (1) Eat food
- (2) Connect to Internet (optional)
- (3) Solve Coding Challenge
- (4) Discuss/Examine Solution from Challenge
- (5) Announcements
- (6) Fin

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Coding Challenge

Instructions:

Given an array **A** of **N** integers, make a Python function that returns the minimal positive integer **Z** that does not occur in A.

For example, given: A = [1, 3, 6, 4, 1, 2], the function should return 5.

Rules:

N is between 1 and 100,000

Submit Answer Here:

https://codility.com/demo/take-sample-test/missing_integer/

Monthly Python Meetup

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Possible Solution

```
def solution(A):
 #100%
     I placed limits so numbers could not be too
     high or low. Also, I went I beyond the
     length of array to consider the missing
     number
 \mathbf{B} = \{\}
 length of A = len(A)
 for index, item in enumerate(A):
     if 0 < item < length_of_A+1:</pre>
         B[item] = True
 counter = 1
 for item in xrange(length_of_A+1):
     if not B_has_key(counter):
         return counter
     counter+=1
 return 1
```

Another Possible Solution

Taken From:

http://www.martinkysel.com/codility-missinginteger-solution/

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Annoucements

 In my free time, I'm building a website to help students grade each other's homework in the web.
It's called Peer2Grade. Here is a demo:

http://youtu.be/3VPxN2VL3uE

Do Announcements Here:

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