# Any or All ★

57/115 challenges solved

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## any()

This expression returns `True` if **any** element of the iterable is true.

If the iterable is empty, it will return `False`.

**Code**

```
>>> any([1>0,1==0,1<0])
True
>>> any([1<0,2<1,3<2])
False
```

## all()

This expression returns `True` if **all** of the elements of the iterable are true. If the iterable is empty, it will return `True`.

**Code**

```
>>> all(['a'<'b','b'<'c'])
True
>>> all(['a'<'b','c'<'b'])
False
```

**Task**

You are given a space separated list of integers. If all the integers are positive, then you need to check if any integer is a palindromic integer.

**Input Format**

The first line contains an integer $N$. $N$ is the total number of integers in the list.

The second line contains the space separated list of $N$ integers.

**Constraints**

$0 < N < 100$

**Output Format**

Print `True` if all the conditions of the problem statement are satisfied. Otherwise, print `False`.

**Sample Input**
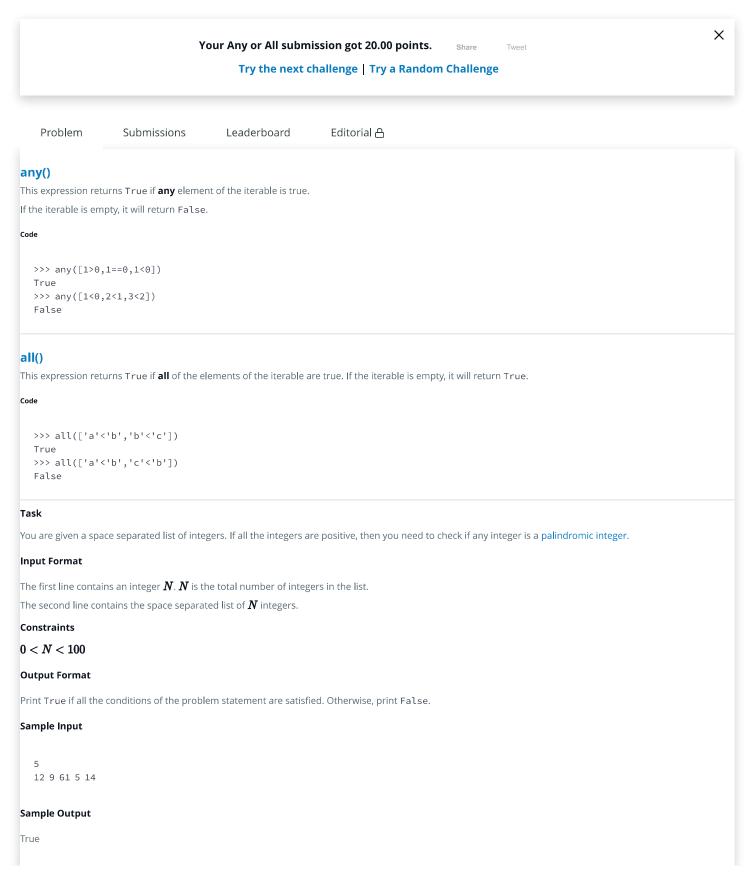
```
5
12 9 61 5 14
```

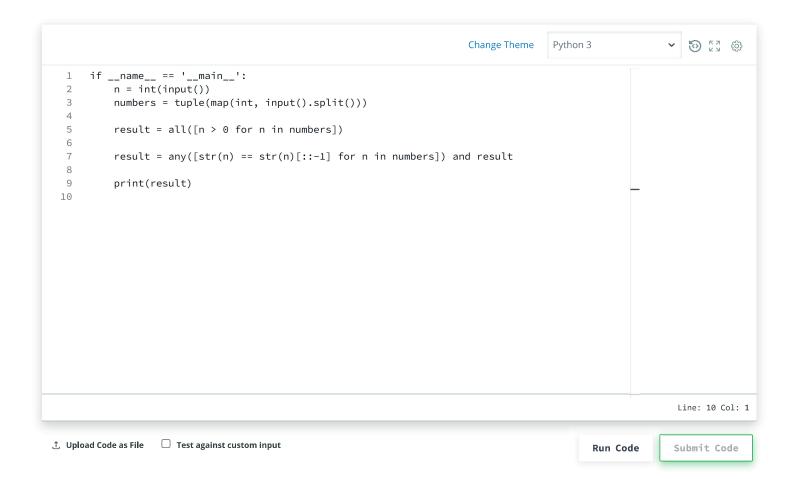**Sample Output**

True

**Explanation**

**Condition 1**: All the integers in the list are positive.

**Condition 2**: 5 is a palindromic integer.

Hence, the output is `True`.

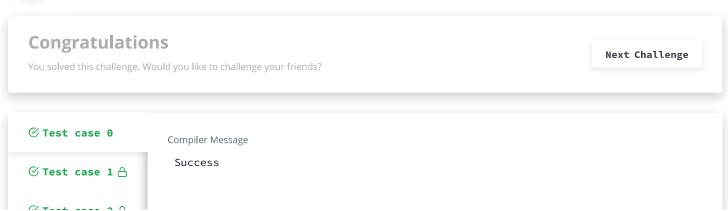Can you solve this challenge in `3 lines of code or less`?

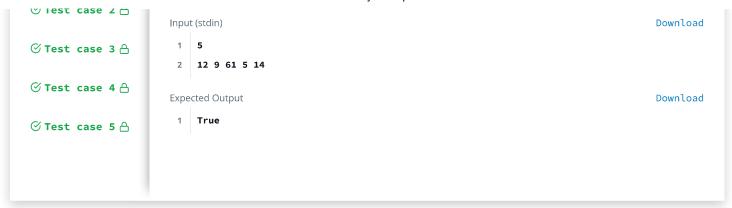There is `no penalty` for solutions that are correct but have more than 3 lines.

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```python
 1   if __name__ == '__main__':
 2       n = int(input())
 3       numbers = tuple(map(int, input().split()))
 4
 5       result = all([n > 0 for n in numbers])
 6
 7       result = any([str(n) == str(n)[::-1] for n in numbers]) and result
 8
 9       print(result)
10
```

Line: 10 Col: 1

⬆ Upload Code as File        ☐ Test against custom input                    Run Code        Submit Code

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You have earned 20.00 points!

57/115 challenges solved.

**50%**

**Congratulations**                                                         Next Challenge

You solved this challenge. Would you like to challenge your friends?

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⊘ **Test case 0**                     Compiler Message

⊘ **Test case 1** 🔒                      Success

⊘ **Test case 2** 🔒

⊘ Test case 2 🗗

⊘ Test case 3 🔒

⊘ Test case 4 🔒

⊘ Test case 5 🔒

Input (stdin)                                                          Download

```
1   5
2   12 9 61 5 14
```

Expected Output                                                        Download

```
1   True
```