

## **HackerRank**



X









# Collections.deque() ★

Your Collections.deque() submission got 20.00 points.

Try the next challenge

Problem

Submissions

Leaderboard

Editorial 🖰

## collections.deque()

A deque is a double-ended queue. It can be used to add or remove elements from both ends.

Deques support thread safe, memory efficient appends and pops from either side of the deque with approximately the same O(1) performance in either direction.

Click on the link to learn more about deque() methods.

Click on the link to learn more about various approaches to working with deques: Deque Recipes.

#### Example

### Code

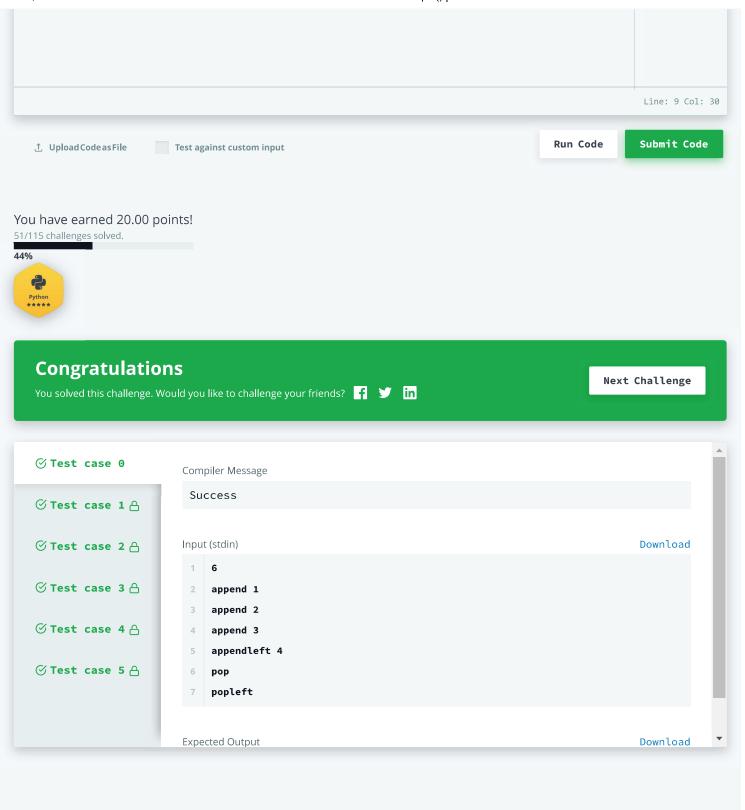
```
>>> from collections import deque
>>> d = deque()
>>> d.append(1)
>>> print d
deque([1])
>>> d.appendleft(2)
>>> print d
deque([2, 1])
>>> d.clear()
>>> print d
deque([])
>>> d.extend('1')
>>> print d
deque(['1'])
>>> d.extendleft('234')
>>> print d
deque(['4', '3', '2', '1'])
>>> d.count('1')
1
>>> d.pop()
111
>>> print d
deque(['4', '3', '2'])
>>> d.popleft()
'4'
>>> print d
deque(['3', '2'])
>>> d.extend('7896')
deque(['3', '2', '7', '8', '9', '6'])
>>> d.remove('2')
>>> print d
deque(['3', '7', '8', '9', '6'])
>>> d.reverse()
```

```
>>> print d
  deque(['6', '9', '8', '7', '3'])
  >>> d.rotate(3)
  >>> print d
  deque(['8', '7', '3', '6', '9'])
Task
Perform append, pop, popleft and appendleft methods on an empty deque oldsymbol{d}.
Input Format
The first line contains an integer m{N}, the number of operations.
The next oldsymbol{N} lines contains the space separated names of methods and their values.
Constraints
0 < N \le 100
Output Format
Print the space separated elements of deque oldsymbol{d}.
Sample Input
  6
  append 1
   append 2
   append 3
  appendleft 4
   pop
  popleft
Sample Output
  1 2
```

```
Change Theme Language Python 3 

from collections import deque d1=deque()
from i in range(int(input())):
m,*arg=input().split()
getattr(d1,m)(*arg)

print(*[item for item in d1])
```



Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature