
Delete all occurrences of an element in a list

X15744_en

In the `public_files` section of the problem statement, a class called **PositionalList**, which implements the **Positional List ADT** using a doubly-linked list, is defined. Extend the implementation of this class with a new public method **delete_all(self, e)**. This method deletes all occurrences of element **e** in the list instance calling it.

For example, if **t** is an instance of the class `PositionalList` that represents the following *list*

1, 2, 3, 1, 1, 4, 1, 5, 6, 1

after executing the statement **t.delete_all(1)**, the object **t** will represent the *list*

2, 3, 4, 5, 6

In particular, you should add the following public method to the **PositionalList** class:

```
def delete_all(self, e):  
    """ Deletes all occurrences of e in self. """
```

Sample input

```
10  
1 2 3 1 1 4 1 5 6 1  
1
```

Sample output

```
list t:  
1, 2, 3, 1, 1, 4, 1, 5, 6, 1  
1, 6, 5, 1, 4, 1, 1, 3, 2, 1  
list after deletion t:  
2, 3, 4, 5, 6  
6, 5, 4, 3, 2
```

Problem information

Author :

Generation : 2024-10-20 14:22:51

© Jutge.org, 2006–2024.

<https://jutge.org>