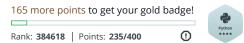
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# Lists ★



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#### RATE THIS CHALLENGE

## \*\*\*\*

Consider a list (list = []). You can perform the following commands:

- 1. insert i e: Insert integer e at position i.
- 2. print: Print the list.
- 3. remove e: Delete the first occurrence of integer  ${\it e}$ .
- 4. append e: Insert integer e at the end of the list.
- 5. sort: Sort the list.
- 6. pop: Pop the last element from the list.
- 7. reverse: Reverse the list.

Initialize your list and read in the value of  $\boldsymbol{n}$  followed by  $\boldsymbol{n}$  lines of commands where each command will be of the  $\boldsymbol{7}$  types listed above. Iterate through each command in order and perform the corresponding operation on your list.

### Example

N = 4

append 1

append 2

insert 3 1

## print

- append 1: Append 1 to the list, arr = [1].
- append 2: Append 2 to the list, arr = [1, 2].
- insert 3 1: Insert 3 at index 1, arr = [1, 3, 2].
- **print**: Print the array.

Output:

[1, 3, 2]

## Input Format

The first line contains an integer,  $m{n}$ , denoting the number of commands.

Each line i of the n subsequent lines contains one of the commands described above.

#### Constraints

• The elements added to the list must be integers.

**Output Format** 



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```
For each command of type print, print the list on a new line.
Sample Input 0
  12
  insert 0 5
  insert 1 10
  insert 0 6
  print
  remove 6
  append 9
  append 1
  sort
  print
  pop
  reverse
  print
Sample Output 0
  [6, 5, 10]
  [1, 5, 9, 10]
  [9, 5, 1]
```

```
Change Theme Language Python 3
                                                                                               1
    if __name__ == '__main__':
1
2
        N = int(input())#input how many inputs
3
        arr = []
4
         for _ in range(N):
5
             command = input().split(" ")
6
7
             #puts input and split.
8
             a = command[0]
             # make command[0] to append,pop or remove...
9
             # than if or elif statement is true executes it
10
             if a == 'insert':
11
12
                 b = int(command[1])
13
                 c = int(command[2])
14
                 arr.insert(b, c)
             elif a == 'append':
15
16
                 b = int(command[1])
17
                 arr.append(b)
             elif a == 'pop':
18
19
                 arr.pop()
20
             elif a == 'remove':
21
                 b = int(command[1])
22
                 arr.remove(b)
23
             elif a == 'sort':
24
                 arr.sort()
             elif a == 'reverse':
25
26
                 arr.reverse()
             elif a == 'print':
                                                                                               Line: 34 Col: 1
```

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 $\ \, \underline{ \, } \ \, \textbf{Upload Code as File}$ Test against custom input Run Code Submit Code **Congratulations** Next Challenge You solved this challenge. Would you like to challenge your friends? **⊘** Test case 0 Compiler Message Success Input (stdin) Download insert 0 5 insert 1 10 insert 0 6 print remove 6 append 9 append 1 sort

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