



Lists

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Problem

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Tutorial

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 `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 `n` followed by `n` lines of commands where each command will be of the **7** types listed above. Iterate through each command in order and perform the corresponding operation on your list.

Input Format

The first line contains an integer, `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

For each command of type `print`, print the list on a new line.

Sample Input

```
12
insert 0 5
insert 1 10
insert 0 6
print
remove 6
append 9
append 1
sort
print
pop
reverse
print
```


Sample Output

```
[6, 5, 10]
[1, 5, 9, 10]
[9, 5, 1]
```

Max Score: 10

Difficulty: Easy

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Python 2



```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
2
3 n = int(raw_input())
4
5 lista = []
6
7 for i in range(0,n):
8     linea = raw_input()
9
10    command = linea.split(' ')[0]
11
12    if command == "insert":
13        index = int(linea.split(' ')[1])
14        obj = int(linea.split(' ')[2])
15        lista.insert(index, obj)
16    elif command == "print":
17        print lista
18    elif command == "remove":
19        # lista.remove(int(linea.split(' ')[1]))
20        indice = lista.index(int(linea.split(' ')[1]))
21        del lista[indice]
22    elif command == "append":
23        elem = int( linea.split(' ')[1] )
24        lista.append(elem)
25    elif command == "sort":
26        lista.sort()
27    elif command == "pop":
28        lista.pop()
29    elif command == "reverse":
30        lista.reverse()
```

Line: 3 Col: 19

 [Upload Code as File](#)☐ Test against custom input[Run Code](#)[Submit Code](#)

Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #1

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