Lists ★

Your Lists submission got 10.00 points.   Share   Tweet

You are now 105 points away from the 4th star for your python badge.

Try the next challenge | **Try a Random Challenge**

✕

| Problem | Submissions | Leaderboard | Editorial 🔒 | 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.

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, n, denoting the number of commands.

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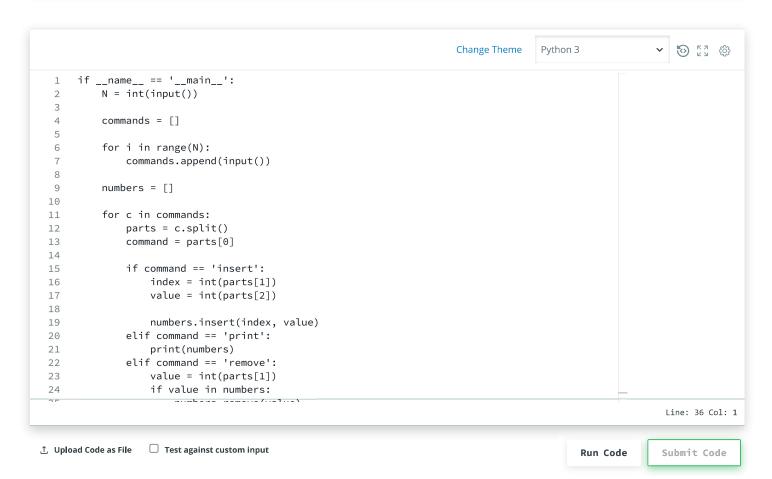
Constraints

- The elements added to the list must be integers.

Output Format

For each command of type `print`, print the list on a new line.
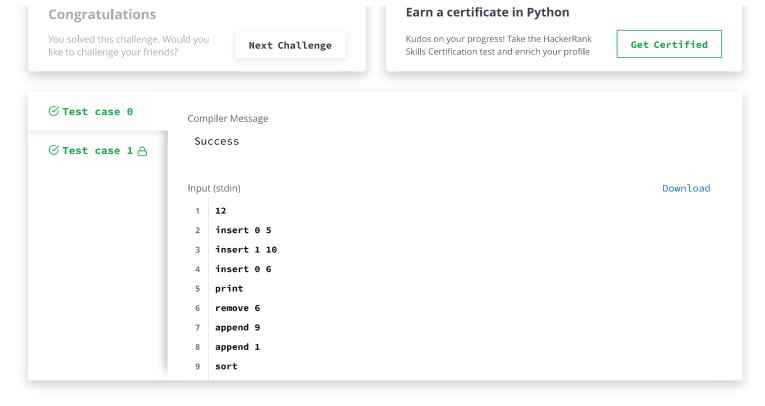
Sample Input 0

```
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]
```

<table>
<tr><td>Change Theme</td><td>Python 3</td><td>⌄</td><td>↺ ⤢ ⚙</td></tr>
</table>

```python
 1   if __name__ == '__main__':
 2       N = int(input())
 3
 4       commands = []
 5
 6       for i in range(N):
 7           commands.append(input())
 8
 9       numbers = []
10
11       for c in commands:
12           parts = c.split()
13           command = parts[0]
14
15           if command == 'insert':
16               index = int(parts[1])
17               value = int(parts[2])
18
19               numbers.insert(index, value)
20           elif command == 'print':
21               print(numbers)
22           elif command == 'remove':
23               value = int(parts[1])
24               if value in numbers:
```

Line: 36 Col: 1

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

You have earned 10.00 points!
You are now 105 points away from the 4th star for your python badge.

5%   115/220

Python
★★★

Congratulations

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

Next Challenge

Earn a certificate in Python

Kudos on your progress! Take the HackerRank Skills Certification test and enrich your profile

Get Certified

⊘ **Test case 0**

⊘ **Test case 1** 🔒

Compiler Message

Success

Input (stdin)   Download

```
1   12
2   insert 0 5
3   insert 1 10
4   insert 0 6
5   print
6   remove 6
7   append 9
8   append 1
9   sort
```

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

https://www.hackerrank.com/challenges/python-lists/problem?isFullScreen=false   3/3