

## Submissions

## Leaderboard

## Discussions

# Editorial

# Tutorial

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.

$$N = 4$$

## 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]

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.

- The elements added to the list must be integers.

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

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

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

Language Python 3

```

1  ✓ if __name__ == '__main__':
2      n = int(input())
3      a=[]
4  ✓      for i in range(n):
5          x=input().split()
6          if x[0]=="insert":
7              a.insert(int(x[1]),int(x[2]))
8  ✓          elif x[0]=="print":
9              print(a)
10 ✓          elif x[0]=="remove":
11              a.remove(int(x[1]))
12 ✓          elif x[0]=="append":
13              a.append(int(x[1]))
14 ✓          elif x[0]=="sort":
15              a.sort()
16 ✓          elif x[0]=="pop":
17              a.pop()
18 ✓          elif x[0]=="reverse":
19              a.reverse()
20

```

Line: 20 Col: 1

 Upload Code as File

### Test against custom input

Run Code

Submit Code

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

## Next Challenge

✔ **Test case 0**

## Compiler Message

✓ Test case 1 

## 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