# Max of a list - 3

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. pop: Pop the last element from the list.
6. 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 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 1 3
print
```

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

Output:
[1, 3, 2]

**Input Format**

The first line contains a number n , denoting the number of commands.
Each line i of the n subsequent lines contains one of the commands described above.

**Output Format**

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

**Input 1:**

```
11
insert 0 5
insert 1 10
insert 0 6
print
remove 6
append 9
append 1
print
pop
reverse
print
```

**Output 1:**

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

# Dictionary - 1

Create a dictionary that stores the following key value pairs:
(Name, Area): Phone Number

Populate this dictionary using user inputs as shown below:

**Input:**

```
Priyesh Shubham Megha Manish Vaibhav
Vadodara Bangalore Bangalore Bangalore Bangalore
9768576543 9736857654 9768576354 9768537654 9736857654
```

**Output:**

```
{(Priyesh,Vadodara): 9768576543, (Shubham,Bangalore): 9736857654,
(Megha,Bangalore): 9768576354, (Manish,Bangalore): 9768537654
(Vaibhav,Bangalore): 9736857654}
```