

C++ STL | Set 1 (vector)

Basic

Accuracy: 51.47%

Submissions: 9759

Points: 1

Implement different operations on a vector A .

Input:
The first line of input contains an integer **T** denoting the no of test cases . Then T test cases follow. The first line of input contains an integer **Q** denoting the no of queries . Then in the next line are **Q** space separated queries .
A query can be of five types
1. a x (Adds an element x to the vector A at the end)
2. b (Sorts the vector A in ascending order)
3. c (Reverses the vector A)
4. d (prints the size of the vector)
5. e (prints space separated values of the vector)
5. f (Sorts the vector A in descending order)

Output:
The output for each test case will be space separated integers denoting the results of each query .

Constraints:
1<=T<=100
1<=Q<=100

Example:

Input
2
6
a 4 a 6 a 7 b c e
4
a 55 a 11 d e

Output
7 6 4
2 55 11

Explanation :
For the first test case
There are six queries. Queries are performed in this order
1. a 4 { Vector has 4 }
2. a 7 {vector has 7 }
3. a 6 {vector has 6}
4. b {sorts the vector in ascending order, vector now is 5 6 7}
5. c {reverse the vector }
6. e {prints the element of the vectors 7 6 4}

For the sec test case
There are four queries. Queries are performed in this order
1. a 55 (vector A has 55}
2. a 11 (vector A has 55 ,11}
3. d (prints the size of the vector A ie. 2)
4. e (prints the elements of the vector A ie 55 11)

Note:The **Input/Output** format and **Example** given are used for system's internal purpose, and should be used by a user for **Expected Output** only. As it is a function problem, hence a user should not read any input from stdin/console. The task is to complete the function specified, and not to write the full code.

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If you are facing any issue on this page. Please let us know.

C++ (g++ 5.4) Test against custom input

```
1 // } Driver Code Ends
65
66
67 /*You are required to complete below methods*/
68
69 /*inserts an element x at
70 the back of the vector A */
71 void add_to_vector(vector<int> &A,int x)
72 {
73     //Your code here
74 }
75
76 /*sort the vector A in ascending order*/
77 void sort_vector_asc(vector<int> &A)
78 {
79     //Your code here
80 }
81
82 /*reverses the vector A*/
83 void reverse_vector(vector<int> &A)
84 {
85     //Your code here
86 }
87
```

Compile & Run

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