

Assignment-40: [A Job Ready Bootcamp in c++,DSA and IOT](#)

deque

1. Inserts an element. And returns an iterator that points to the first of the newly inserted elements.
2. Returns a reverse iterator which points to the last element of the deque (i.e., its reverse beginning).
3. Returns a reverse iterator which points to the position before the beginning of the deque (which is considered its reverse end).
4. Returns a constant iterator pointing to the first element of the container, that is, the iterator cannot be used to modify, only traverse the deque.
5. Returns the maximum number of elements that a deque container can hold.
6. Assign values to the same or different deque container.
7. Return the first element and last element of the deque container.
8. Remove elements from a container from the specified position or range in deque.
9. Generate a permutation of first N natural numbers having count of unique adjacent differences equal to K | Set 2 using a queue.
10. Check if given Strings can be made equal by inserting at most 1 String using deque.
11. How to get the first and last elements of Deque in c++?
12. Given a string S containing letters and '#'. The '#' represents a backspace. The task is to print the new string without '#'. String after processing backspace characters using deque

Examples:

Input : S = "abc#de#f#ghi#jklmn#op#"

Output : abdghjklmo

Input : S = "##iNeuron##Education##hub#"

Output : iNeurEducatihub

13. Segregate even and odd nodes in a Linked List using Deque.