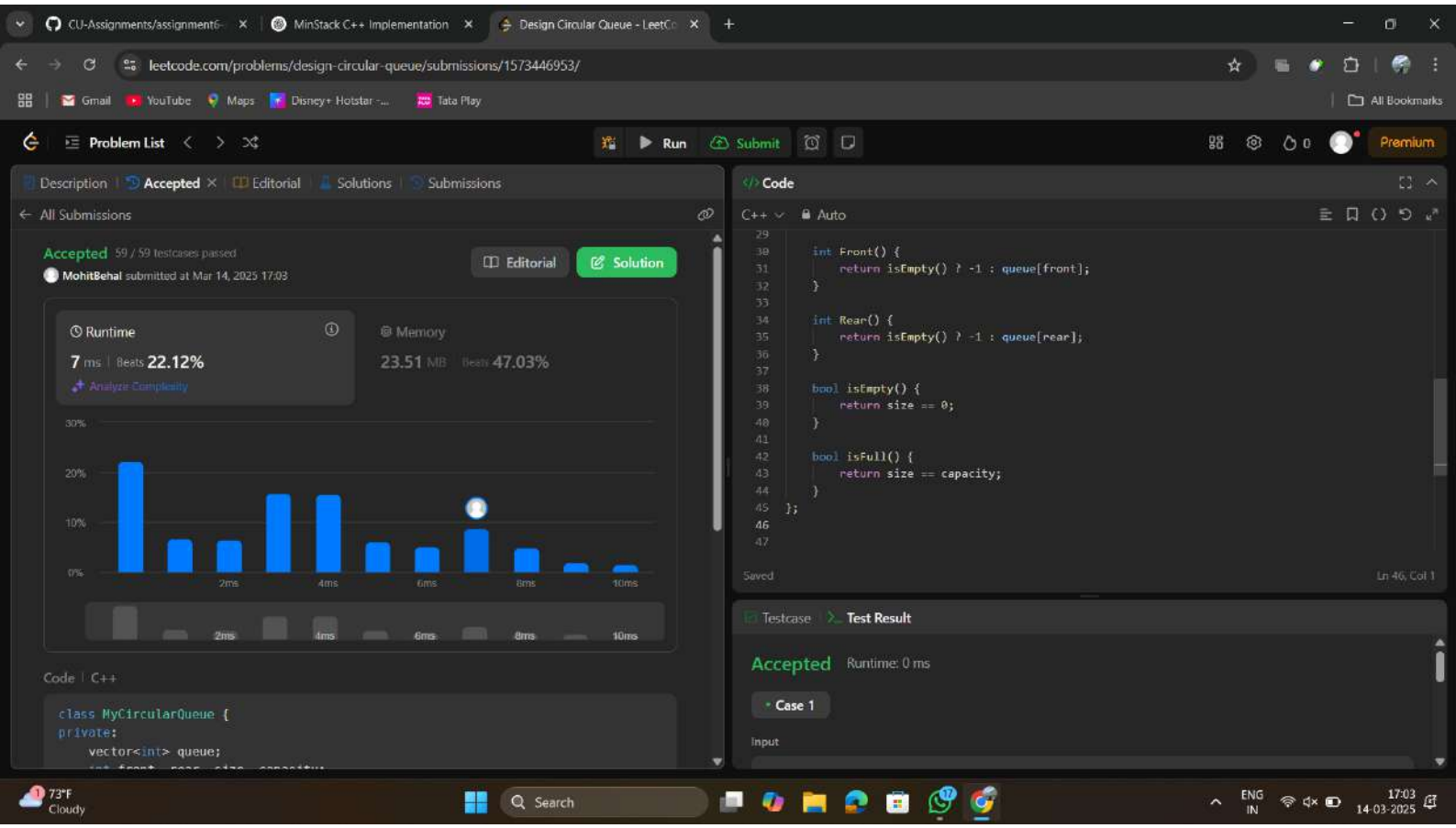
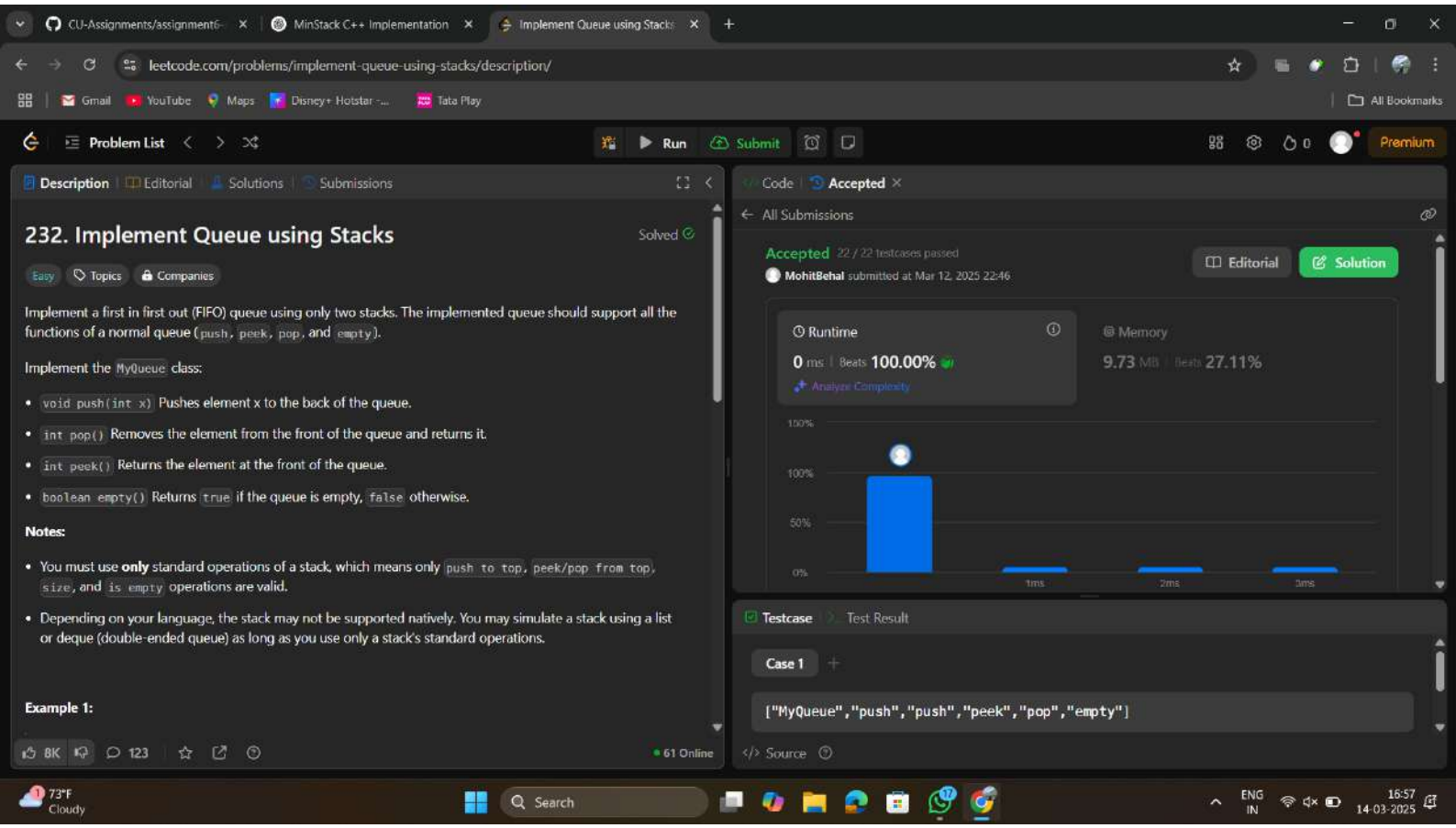
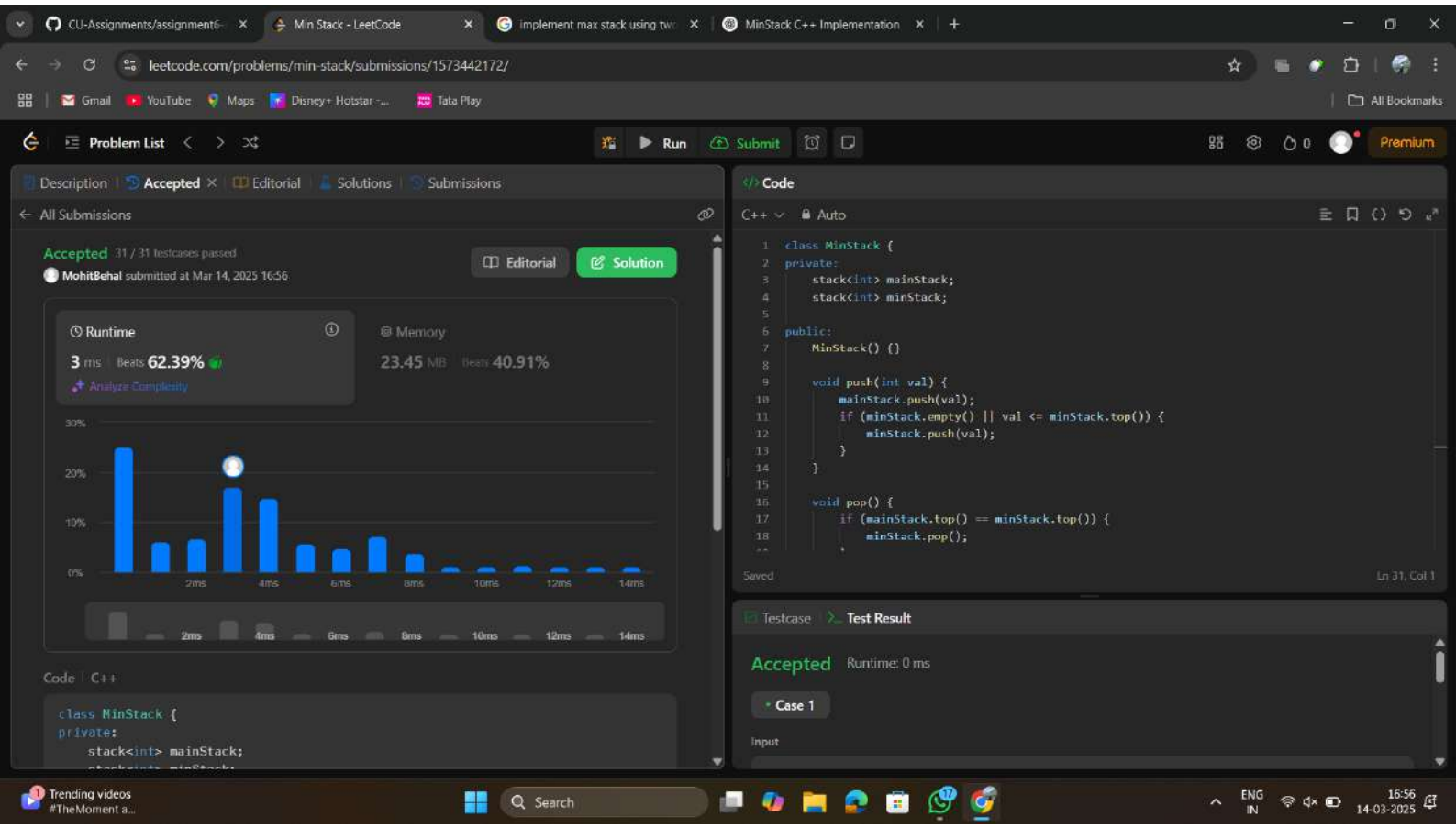
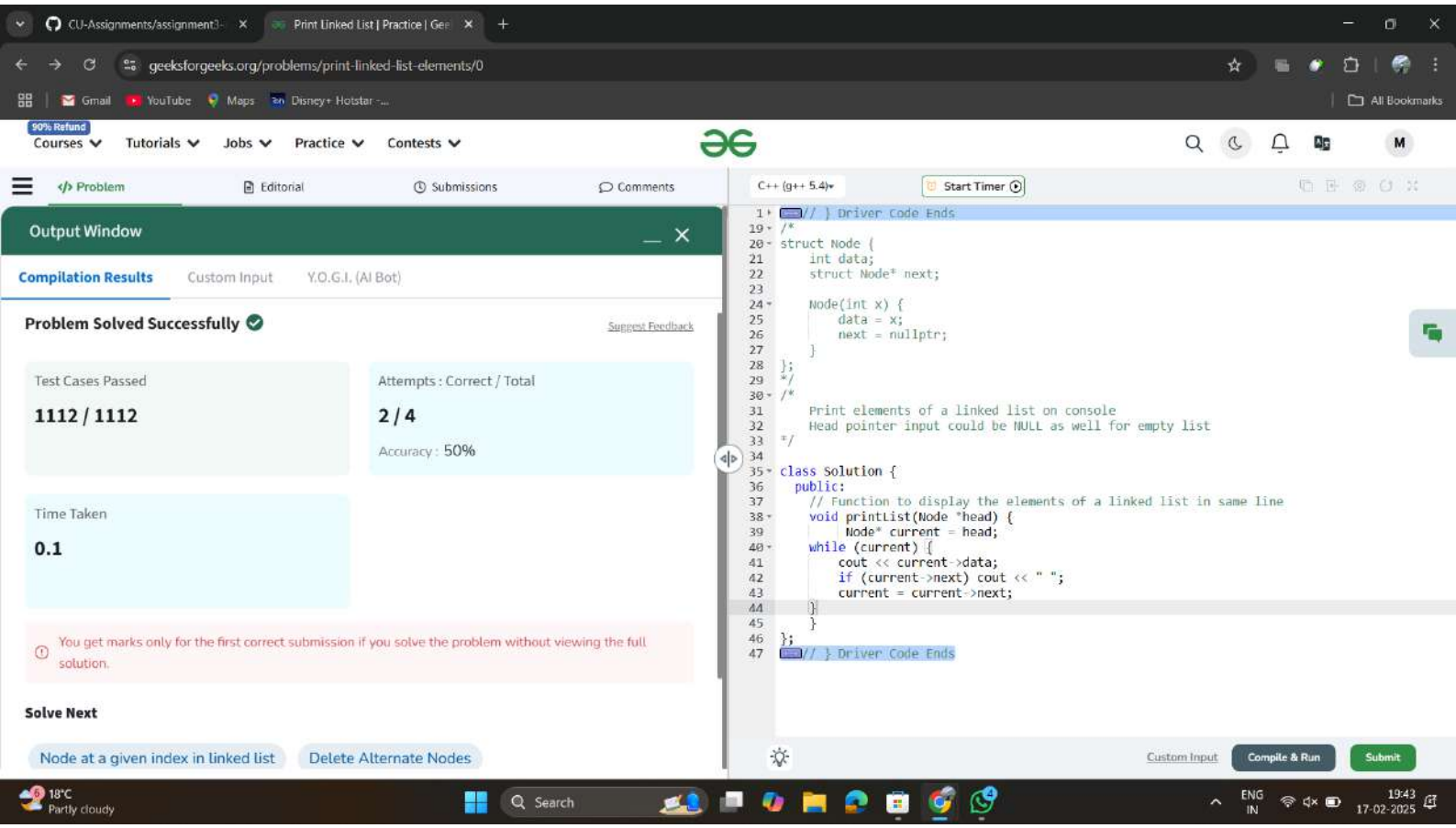
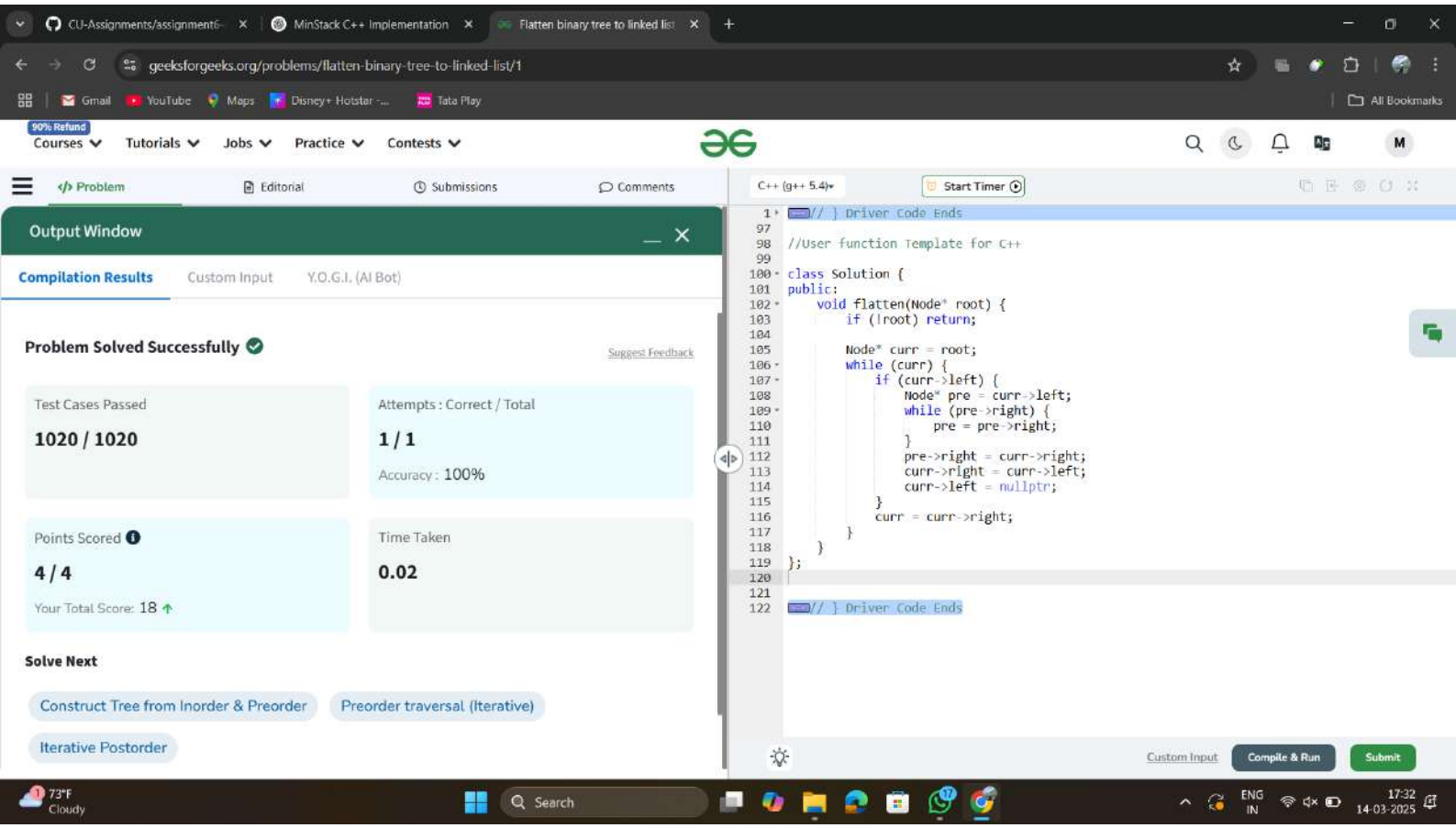
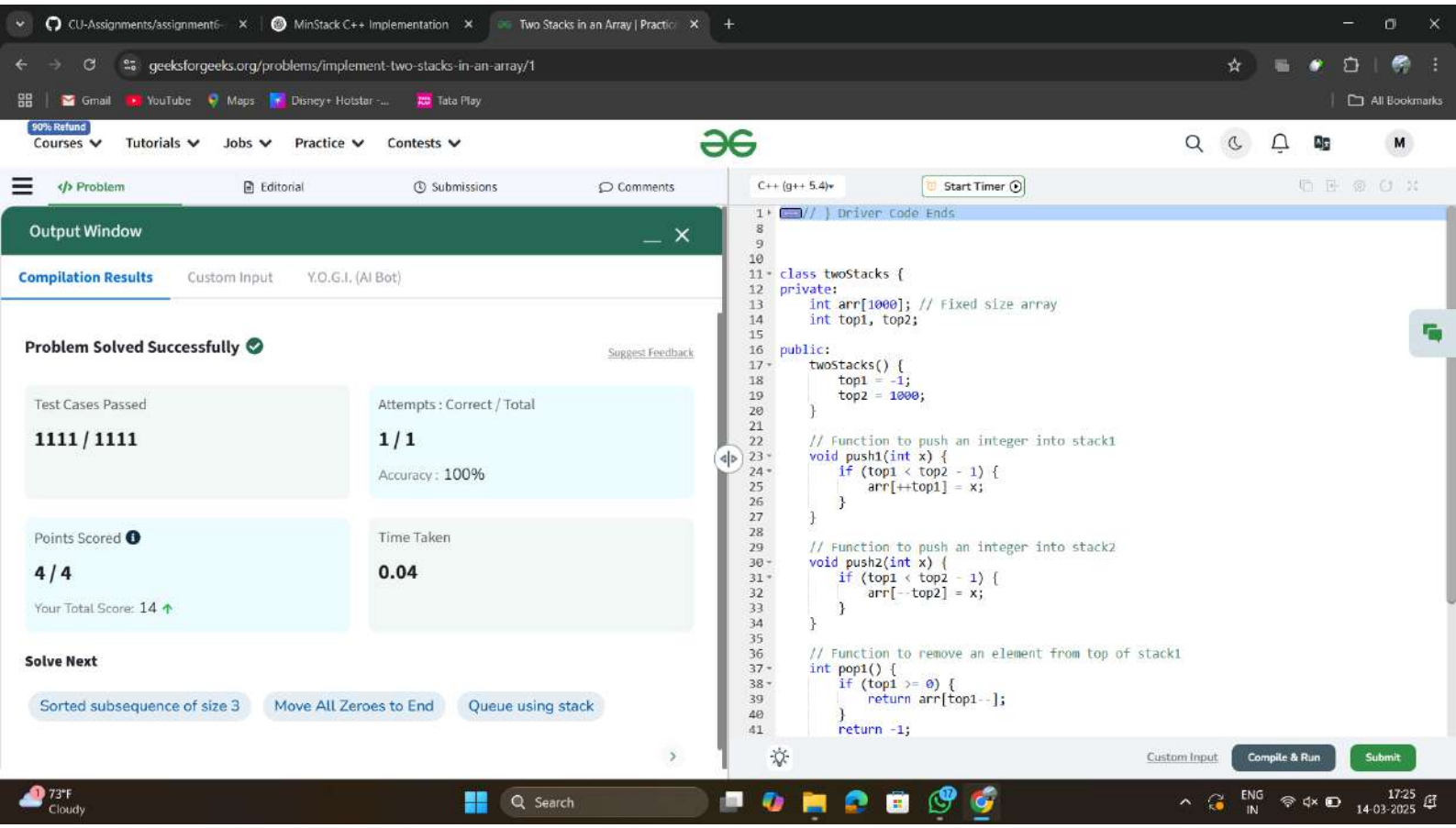

CU-Assignments/assignment6-
MinStack C++ Implementation
Design Circular Queue - LeetCo
leetcode.com/problems/design-circular-queue/submissions/1573446953/
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 59 / 59 testcases passed
MohitBehal submitted at Mar 14, 2025 17:03
Editorial
Solution
Runtime
7 ms | Beats 22.12%
Analyze Complexity
Memory
23.51 MB | Beats 47.03%
30%
20%
10%
0%
2ms
4ms
6ms
8ms
10ms
Code | C++
class MyCircularQueue {
private:
vector<int> queue;
Code
C++
Auto
int Front() {
return isEmpty() ? -1 : queue[front];
}
int Rear() {
return isEmpty() ? -1 : queue[rear];
}
bool isEmpty() {
return size == 0;
}
bool isFull() {
return size == capacity;
}
};
Saved
Ln 46, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Input
73°F
Cloudy
Search
ENG
IN
17:03
14-03-2025

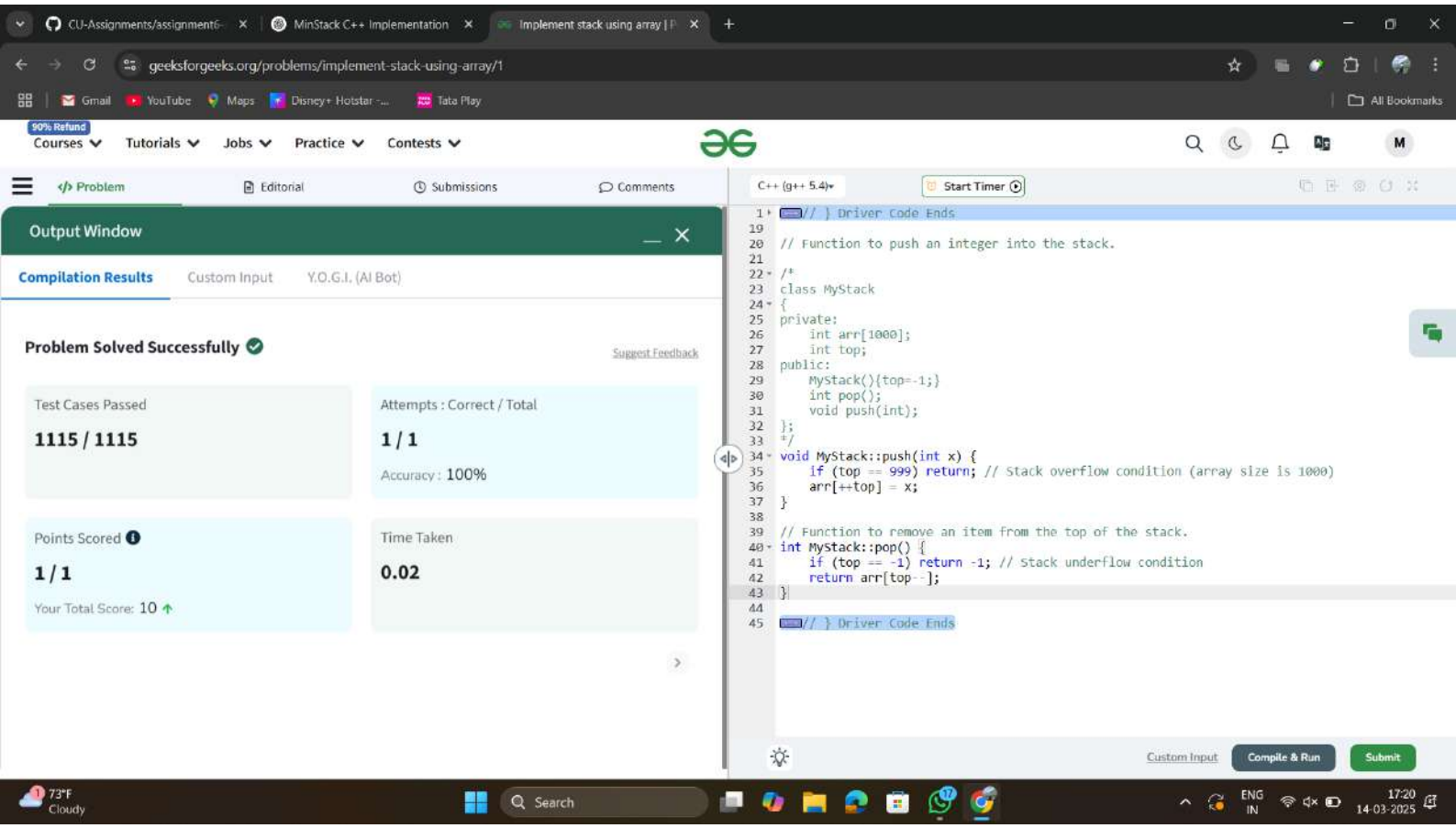

CU-Assignments/assignment6-
MinStack C++ Implementation
Implement Queue using Stacks
leetcode.com/problems/implement-queue-using-stacks/description/
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
Problem List
Run
Submit
Premium
Description
Editorial
Solutions
Submissions
232. Implement Queue using Stacks
Solved
Easy
Topics
Companies
Implement a first in first out (FIFO) queue using only two stacks. The implemented queue should support all the functions of a normal queue (push, peek, pop, and empty).
Implement the MyQueue class:
void push(int x) Pushes element x to the back of the queue.
int pop() Removes the element from the front of the queue and returns it.
int peek() Returns the element at the front of the queue.
boolean empty() Returns true if the queue is empty, false otherwise.
Notes:
You must use only standard operations of a stack, which means only push to top, peek/pop from top, size, and is empty operations are valid.
Depending on your language, the stack may not be supported natively. You may simulate a stack using a list or deque (double-ended queue) as long as you use only a stack's standard operations.
Example 1:
8K
123
61 Online
Code
Accepted
All Submissions
Accepted 22 / 22 testcases passed
MohitBehal submitted at Mar 12, 2025 22:46
Editorial
Solution
Runtime
0 ms | Beats 100.00%
Analyze Complexity
Memory
9.73 MB | Beats 27.11%
100%
50%
0%
1ms
2ms
3ms
Testcase
Test Result
Case 1
["MyQueue","push","push","peek","pop","empty"]
Source
73°F
Cloudy
Search
ENG
IN
16:57
14-03-2025

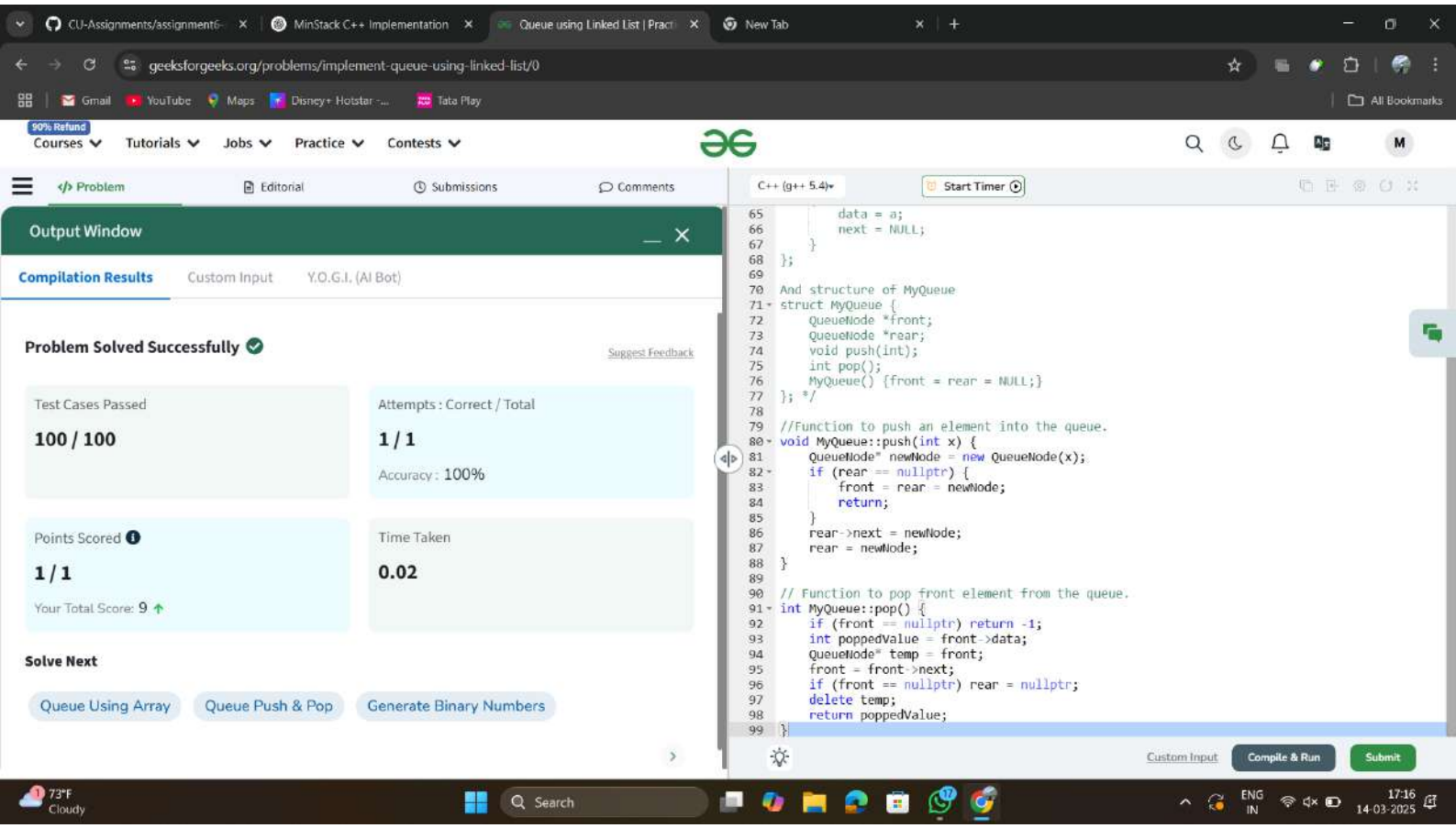

CU-Assignments/assignment6-
Min Stack - LeetCode
implement max stack using tw
MinStack C++ Implementation
leetcode.com/problems/min-stack/submissions/1573442172/
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 31 / 31 testcases passed
MohitBehal submitted at Mar 14, 2025 16:56
Editorial
Solution
Runtime
3 ms | Beats 62.39%
Analyze Complexity
Memory
23.45 MB | Beats 40.91%
30%
20%
10%
0%
2ms
4ms
6ms
8ms
10ms
12ms
14ms
Code | C++
class MinStack {
private:
stack<int> mainStack;
Code
C++
Auto
class MinStack {
private:
stack<int> mainStack;
stack<int> minStack;
public:
MinStack() {}
void push(int val) {
mainStack.push(val);
if (minStack.empty() || val <= minStack.top()) {
minStack.push(val);
}
}
void pop() {
if (mainStack.top() == minStack.top()) {
minStack.pop();
Saved
Ln 31, Col 1
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Input
Trending videos
#TheMoment a...
Search
ENG
IN
16:56
14-03-2025

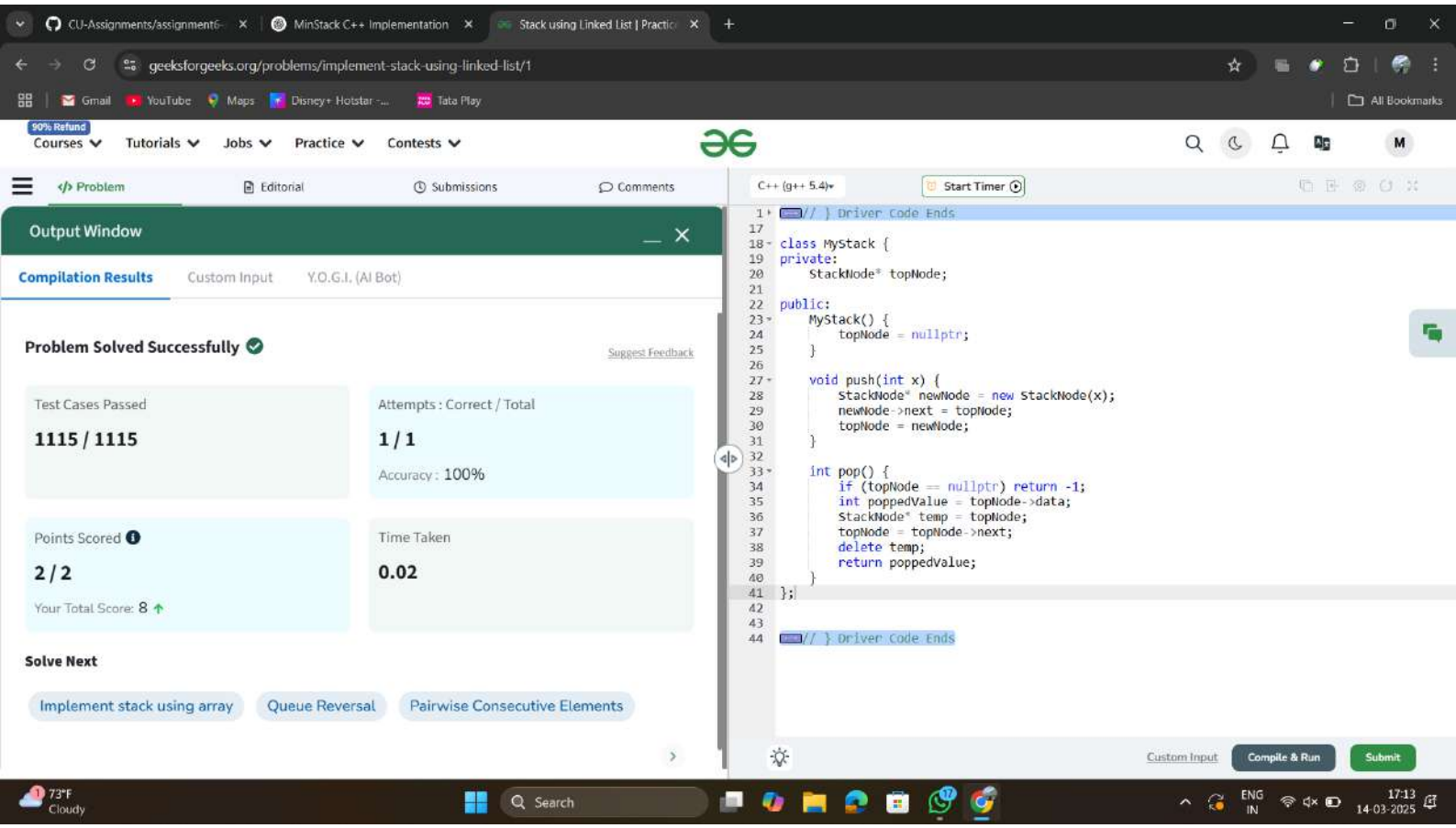

CU-Assignments/assignment3-
Print Linked List | Practice | Ge
geeksforgeeks.org/problems/print-linked-list-elements/0
Gmail
YouTube
Maps
Disney+ Hotstar -...
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
M
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1112 / 1112
Attempts : Correct / Total
2 / 4
Accuracy : 50%
Time Taken
0.1
You get marks only for the first correct submission if you solve the problem without viewing the full solution.
Solve Next
Node at a given index in linked list
Delete Alternate Nodes
C++ (g++ 5.4)
Start Timer
// } Driver Code Ends
/*
struct Node {
int data;
struct Node* next;
Node(int x) {
data = x;
next = nullptr;
}
};
*/
/*
Print elements of a linked list on console
Head pointer input could be NULL as well for empty list
*/
class Solution {
public:
// Function to display the elements of a linked list in same line
void printList(Node *head) {
Node* current = head;
while (current) {
cout << current->data;
if (current->next) cout << " ";
current = current->next;
}
}
};
// } Driver Code Ends
Custom Input
Compile & Run
Submit
18°C
Partly cloudy
Search
ENG
IN
19:43
17-02-2025


CU-Assignments/assignment6-
MinStack C++ Implementation
Flatten binary tree to linked list
geeksforgeeks.org/problems/flatten-binary-tree-to-linked-list/1
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
Problem
Editorial
Submissions
Comments
C++ (g++ 5.4)
Start Timer
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1020 / 1020
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
4 / 4
Your Total Score: 18
Time Taken
0.02
Solve Next
Construct Tree from Inorder & Preorder
Preorder traversal (Iterative)
Iterative Postorder
// } Driver Code Ends
//User function Template for C++
class Solution {
public:
void flatten(Node* root) {
if (!root) return;
Node* curr = root;
while (curr) {
if (curr->left) {
Node* pre = curr->left;
while (pre->right) {
pre = pre->right;
}
pre->right = curr->right;
curr->right = curr->left;
curr->left = nullptr;
}
curr = curr->right;
}
}
};
// } Driver Code Ends
Custom Input
Compile & Run
Submit
73°F
Cloudy
Search
ENG
IN
17:32
14-03-2025


CU-Assignments/assignment6-
MinStack C++ Implementation
Two Stacks in an Array | Practic
geeksforgeeks.org/problems/implement-two-stacks-in-an-array/1
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1111 / 1111
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
4 / 4
Your Total Score: 14
Time Taken
0.04
Solve Next
Sorted subsequence of size 3
Move All Zeroes to End
Queue using stack
C++ (g++ 5.4)
Start Timer
// } Driver Code Ends
class twoStacks {
private:
int arr[1000]; // Fixed size array
int top1, top2;
public:
twoStacks() {
top1 = -1;
top2 = 1000;
}
// Function to push an integer into stack1
void push1(int x) {
if (top1 < top2 - 1) {
arr[++top1] = x;
}
}
// Function to push an integer into stack2
void push2(int x) {
if (top1 < top2 - 1) {
arr[--top2] = x;
}
}
// Function to remove an element from top of stack1
int pop1() {
if (top1 >= 0) {
return arr[top1--];
}
return -1;
Custom Input
Compile & Run
Submit
73°F
Cloudy
Search
ENG
IN
17:25
14-03-2025


CU-Assignments/assignment6-
MinStack C++ Implementation
Implement stack using array | P
geeksforgeeks.org/problems/implement-stack-using-array/1
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1115 / 1115
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
1 / 1
Your Total Score: 10
Time Taken
0.02
C++ (g++ 5.4)
Start Timer
// } Driver Code Ends
// Function to push an integer into the stack.
/*
class MyStack
{
private:
int arr[1000];
int top;
public:
MyStack(){top=-1;}
int pop();
void push(int);
};
*/
void MyStack::push(int x) {
if (top == 999) return; // Stack overflow condition (array size is 1000)
arr[++top] = x;
}
// Function to remove an item from the top of the stack.
int MyStack::pop() {
if (top == -1) return -1; // Stack underflow condition
return arr[top--];
}
// } Driver Code Ends
Custom Input
Compile & Run
Submit
73°F
Cloudy
Search
ENG
IN
17:20
14-03-2025


CU-Assignments/assignment6-
MinStack C++ Implementation
Queue using Linked List | Practi
New Tab
geeksforgeeks.org/problems/implement-queue-using-linked-list/0
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
M
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
100 / 100
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
1 / 1
Your Total Score: 9
Time Taken
0.02
Solve Next
Queue Using Array
Queue Push & Pop
Generate Binary Numbers
C++ (g++ 5.4)
Start Timer
65 data = a;
66 next = NULL;
67 }
68 };
69
70 And structure of MyQueue
71 struct MyQueue {
72 QueueNode *front;
73 QueueNode *rear;
74 void push(int);
75 int pop();
76 MyQueue() {front = rear = NULL;}
77 }; */
78
79 //Function to push an element into the queue.
80 void MyQueue::push(int x) {
81 QueueNode* newNode = new QueueNode(x);
82 if (rear == nullptr) {
83 front = rear = newNode;
84 return;
85 }
86 rear->next = newNode;
87 rear = newNode;
88 }
89
90 // Function to pop front element from the queue.
91 int MyQueue::pop() {
92 if (front == nullptr) return -1;
93 int poppedValue = front->data;
94 QueueNode* temp = front;
95 front = front->next;
96 if (front == nullptr) rear = nullptr;
97 delete temp;
98 return poppedValue;
99 }
Custom Input
Compile & Run
Submit
73°F
Cloudy
Search
ENG
IN
17:16
14-03-2025


CU-Assignments/assignment6-
MinStack C++ Implementation
Stack using Linked List | Practic
geeksforgeeks.org/problems/implement-stack-using-linked-list/1
Gmail
YouTube
Maps
Disney+ Hotstar -...
Tata Play
All Bookmarks
90% Refund
Courses
Tutorials
Jobs
Practice
Contests
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1115 / 1115
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
2 / 2
Your Total Score: 8
Time Taken
0.02
Solve Next
Implement stack using array
Queue Reversal
Pairwise Consecutive Elements
C++ (g++ 5.4)
Start Timer
// } Driver Code Ends
class MyStack {
private:
StackNode* topNode;
public:
MyStack() {
topNode = nullptr;
}
void push(int x) {
StackNode* newNode = new StackNode(x);
newNode->next = topNode;
topNode = newNode;
}
int pop() {
if (topNode == nullptr) return -1;
int poppedValue = topNode->data;
StackNode* temp = topNode;
topNode = topNode->next;
delete temp;
return poppedValue;
}
};
// } Driver Code Ends
Custom Input
Compile & Run
Submit
73°F
Cloudy
Search
ENG
IN
17:13
14-03-2025