



Problem: Week 3 - BST - Insertion and PreOrder Traversal

Description

Given a BST initialized by NULL. Perform a sequence of operations on a BST including:

- insert k: insert a key k into the BST (do not insert if the key k exists)

Input

- Each line contains command under the form: "insert k"
- The input is terminated by a line containing #

Output

- Write the sequence of keys of nodes visited by the pre-order traversal (separated by a SPACE character)

Example

Input

```
insert 20  
insert 10  
insert 26  
insert 7  
insert 15
```

insert 23

insert 30

insert 3

insert 8

#

Output

20 10 7 3 8 15 26 23 30

Sample TestCase

C 17



1 Write your Source code here

Source code

C 17

```
1 //C
2 #include <stdio.h>
3
4 int main()
5 {
6
7 }
```

SUBMIT CODE

Currently, this contest problem is not open for submissions

Or

C 17

[Select file](#)

SUBMIT

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Tìm kiếm

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7591ac	BST_INSERTION_MANIPULATION	Accept	<div>i</div>	100

5 hàng ▼

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