Sicily Tree
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1004. inorder traversal for Binary Tree

Total: 371 Accepted: 71

Time Limit: 1sec Memory Limit:256MB

Description

Define the type for binary trees as follow:

```
template <typename T> struct BinaryNode{
  T elem;
  BinaryNode *left;
  BinaryNode * right;
  BinaryNode(T d, BinaryNode *l=NULL, BinaryNode *r=NULL):elem(d),left(l),right(r){};
};
```

Your task is to implement binary tree traversal using both recursion and non-recursion.

```
// root is a pointer to the root of the binary tree.
template <typename T>
void inorder_recursive(BinaryNode<T>* root, void (*visit)(T &x))

// root is a pointer to the root of the binary tree.
template <typename T>
void inorder(BinaryNode<T>* root, void (*visit)(T &x))
```

Just submit the inorder_recursive function and inorder function. Don't submit the BinaryNode definition and the main function.

Input

None

Output

None

Sample Input

Copy

```
None.
```

Sample Output

Copy

```
None.
```

Hint

Submitt both of your implementations, including the definition of BinaryNode.

Problem Source: Binary Trees

Submit