POTD36.1. Problem of the Day #36

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q36

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q36.sh
```

Your files for this problem will be in the `potd-q36` directory.

The Problem

Complete the 'traverse' function that accepts a BTree `BTreeNode *` and returns a `vector<int>` containing the inorder traversal of the elements in the BTree nodes. Each BTree Node is made up of a `vector<int> elements`, which are the values in the node and a `vector<BTreeNode*> children` which is a vector of child pointers. Your code should go in `BTreeNode.cpp`.

Definition for a BTree node:

```
struct BTreeNode {
    bool is_leaf=true;
    std::vector<int> elements;
    std::vector<BTreeNode*> children;
    BTreeNode() {}
    BTreeNode (std::vector<int> v) {
        this->elements = v;
    }
};
```

Example:

In `main.cpp`, an exmaple BTree has been provided to help you test your code:

```
traverse(root):

            [30    60]
          /      |     \
      [10 20]  [40 50]  [70 80]
```

Result:

```
10
20
30
40
50
60
70
80
```

Upload Solution

Drop files here or click to upload.

POTD 36

Total points:	0/1
Score:	0%

Question

Value:	1
History:	
Awarded points:	0/1

Report an error in this question

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Only the files listed below will be accepted—others will be ignored.

Files

BTreeNode.cpp
not uploaded

BTreeNode.h
not uploaded

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