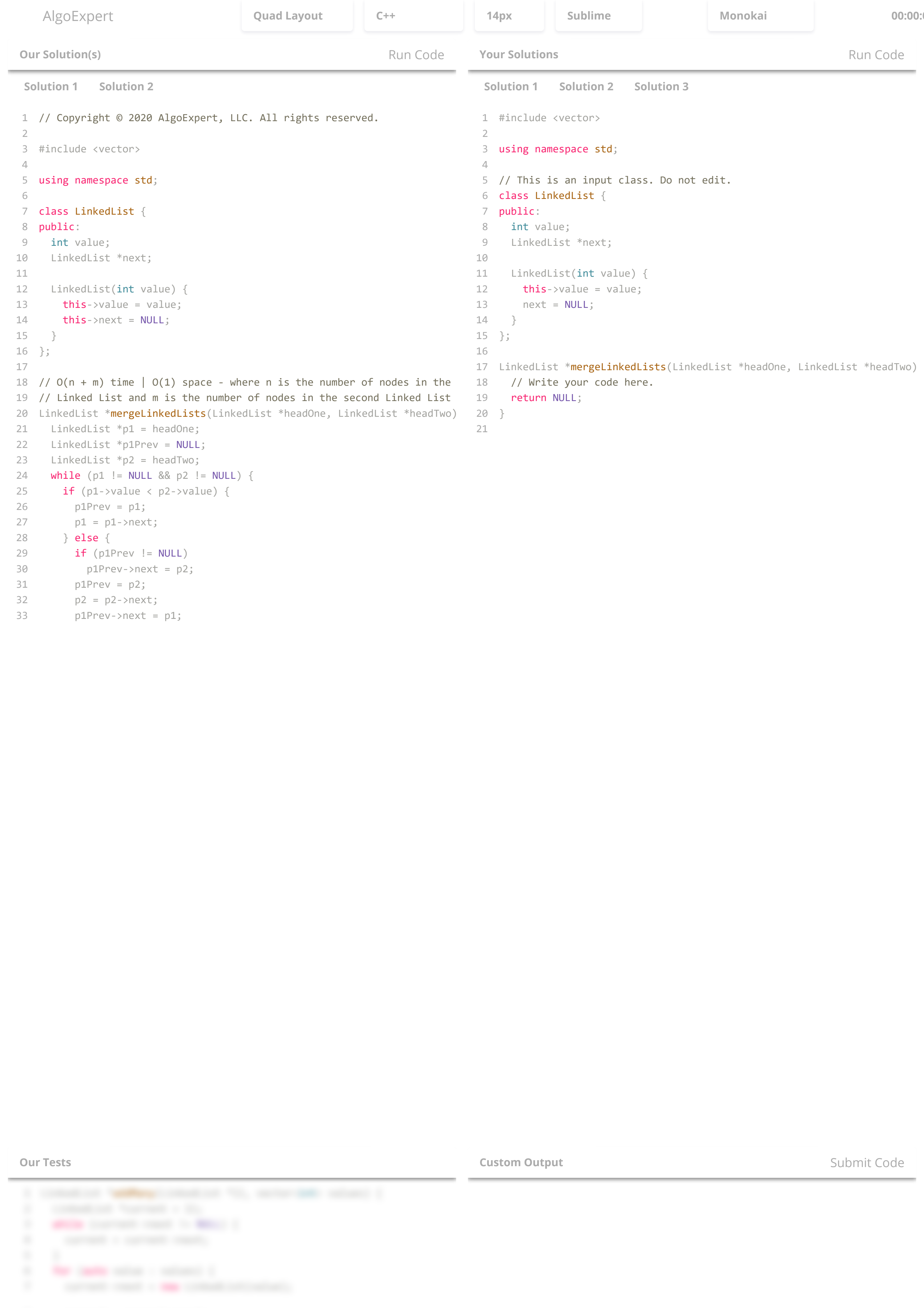

AlgoExpert Quad Layout C++ 14px Sublime Monokai 00:00:0

Our Solution(s) Run Code

Solution 1 Solution 2

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

#include <vector>

using namespace std;

class LinkedList {
public:
  int value;
  LinkedList *next;

  LinkedList(int value) {
    this->value = value;
    this->next = NULL;
  }
};

// O(n + m) time | O(1) space - where n is the number of nodes in the
// Linked List and m is the number of nodes in the second Linked List
LinkedList *mergeLinkedLists(LinkedList *headOne, LinkedList *headTwo)
  LinkedList *p1 = headOne;
  LinkedList *p1Prev = NULL;
  LinkedList *p2 = headTwo;
  while (p1 != NULL && p2 != NULL) {
    if (p1->value < p2->value) {
      p1Prev = p1;
      p1 = p1->next;
    } else {
      if (p1Prev != NULL)
        p1Prev->next = p2;
      p1Prev = p2;
      p2 = p2->next;
      p1Prev->next = p1;
```

Our Tests

```
LinkedList *addMany(LinkedList *ll, vector<int> values) {
  LinkedList *current = ll;
  while (current->next != NULL) {
    current = current->next;
  }
  for (auto value : values) {
    current->next = new LinkedList(value);
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```
#include <vector>

using namespace std;

// This is an input class. Do not edit.
class LinkedList {
public:
  int value;
  LinkedList *next;

  LinkedList(int value) {
    this->value = value;
    next = NULL;
  }
};

LinkedList *mergeLinkedLists(LinkedList *headOne, LinkedList *headTwo)
  // Write your code here.
  return NULL;
}

```

Custom Output Submit Code

Run or submit code when you're ready.