Our Solution(s) Run Code

Solution 1 Solution 2 Solution 3

```cpp
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#include <vector>
#include <algorithm>
using namespace std;

// O(nlog(n)) | O(1) space
vector<int> twoNumberSum(vector<int> array, int targetSum) {
  sort(array.begin(), array.end());
  int left = 0;
  int right = array.size() - 1;
  while (left < right) {
    int currentSum = array[left] + array[right];
    if (currentSum == targetSum) {
      return {array[left], array[right]};
    } else if (currentSum < targetSum) {
      left++;
    } else if (currentSum > targetSum) {
      right--;
    }
  }
  return {};
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```cpp
#include <vector>
using namespace std;

vector<int> twoNumberSum(vector<int> array, int targetSum) {
  // Write your code here.
  return {};
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.