Our Solution(s) Run Code

Solution 1

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

vector<int> insertionSort(vector<int> array);

// Best: O(n) time | O(1) space
// Average: O(n^2) time | O(1) space
// Worst: O(n^2) time | O(1) space
vector<int> insertionSort(vector<int> array) {
  if (array.empty()) {
    return {};
  }
  for (int i = 1; i < array.size(); i++) {
    int j = i;
    while (j > 0 && array[j] < array[j - 1]) {
      swap(array[j], array[j - 1]);
      j -= 1;
    }
  }
  return array;
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

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

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

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.