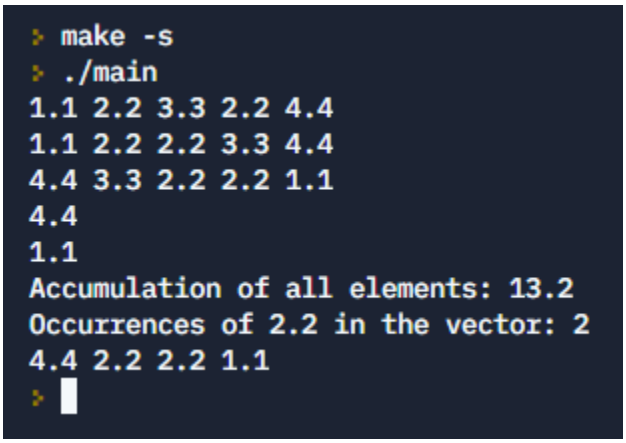


```
// Kenry Yu, Olenka Bilinska, Brianna Soriano
// Demo: 5:05 pm
#include <algorithm>
#include <iostream>
#include <numeric> //for accumulator operations
#include <vector>
using namespace std;

int main() { // an array of doubles
 //cout << "Hello, your computer has virus :D" << endl;
 double arr[] = {1.1, 2.2, 3.3, 2.2, 4.4};
 // Determine the array size
 int arr_len = sizeof(arr) / sizeof(arr[0]);
 // initialize vector v1 to array arr
 vector<double> v1(arr, arr + arr_len);
 // Display the contents of vector v1
 for (double content : v1) {
  cout << content << " ";
 }
 cout << endl;
 // Sorting the Vector in Ascending order
```

```
sort(v1.begin(), v1.end());
// Display the content of vector v1 after sorting
for (double content : v1) {
  cout << content << " ";
}
cout << endl;
// Reversing the Vector v1
reverse(v1.begin(), v1.end());
// Display the content of vector v1
for (double content : v1) {
  cout << content << " ";
}
cout << endl;
// Display the maximum element of vector v1
cout << *max_element(v1.begin(), v1.end()) << endl;
// Display the minimum element of vector v1
cout << *min_element(v1.begin(), v1.end()) << endl;
// Display the accumulation of all elements in vector v1
// Starting the summation from 0
cout << "Accumulation of all elements: "
    << accumulate(v1.begin(), v1.end(), 0.0) << endl;
// Counts the occurrences of 2.2 from 1st to last element
// Display the counts
cout << "Occurrences of 2.2 in the vector: "
    << count(v1.begin(), v1.end(), 2.2) << endl;
// Delete second element of vector
v1.erase(v1.begin() + 1);
// Display the v1 after erasing the element
for (double content : v1) {
```

```
    cout << content << " ";
  }
  cout << endl;
  return 0;
}
```