



main.cpp



Run

Output

Clear

```
1 // Online C++ compiler to run C++ program
  online
2 #include <iostream>
3 using namespace std;
4
5 class ArraySum {
6     int* arr;
7     int size;
8     int sum;
9
10 public:
11     ArraySum(int* inputArr, int s) {
12         size = s;
13         arr = new int[size];
14         for (int i = 0; i < size; i++) {
15             arr[i] = inputArr[i];
16         }
17         calculateSum();
18     }
19     ArraySum(const ArraySum& other) {
20         size = other.size;
21         arr = new int[size];
22         for (int i = 0; i < size; i++) {
23             arr[i] = other.arr[i];
24         }
25         sum = other.sum;
26     }
27     void calculateSum() {
28         sum = 0;
29         for (int i = 0; i < size; i++) {
30             if (arr[i] > 0) {
31                 sum += arr[i];
32             }
33         }
34     }
35     void displaySum() const {
36         cout << "Sum of all positive numbers: "
37              << sum << endl;
38     }
39     ~ArraySum() {
40         delete[] arr;
41     };
42
43 int main() {
44     int n;
45     cout << "Enter the number of elements in
46           the array: ";
47     cin >> n;
48
49     int* arr = new int[n];
50     cout << "Enter the elements of the array:"
51          << endl;
52     for (int i = 0; i < n; i++) {
53         cin >> arr[i];
54     }
55
56     ArraySum originalArray(arr, n);
57     ArraySum copiedArray = originalArray;
58     copiedArray.displaySum();
59
60     delete[] arr;
61     return 0;
62 }
```

/tmp/8UNRn6TJf7.o

Enter the number of elements in the array: 6

Enter the elements of the array:

6 7 5 8 5 9

Sum of all positive numbers: 40

=== Code Execution Successful ===