

```

1 //
2 // main.cpp
3 // A1_COSC_1437_014
4 //
5 // Created by Nicholas Brown on 1/17/25.
6 //
7 #include <iostream>
8 using namespace std;
9
10 int bubbleSort(long Array1[], int SIZE);
11 int selectionSort(long Array2[], int SIZE);
12 void swap(long &a, long &b);
13
14
15 int main() {
16
17     int const SIZE = 20;
18
19     long Array1[SIZE] = {
20         12, 5, 18, 2, 20, 1, 15, 8, 10, 13,
21         6, 17, 3, 19, 11, 7, 14, 4, 9, 16
22     };
23
24     long Array2[SIZE] = {
25         12, 5, 18, 2, 20, 1, 15, 8, 10, 13,
26         6, 17, 3, 19, 11, 7, 14, 4, 9, 16
27     };
28
29     cout << "The number of swaps used in Bubble Sort:" << bubbleSort(Array1, SIZE) << endl;
30     cout << "The number of swaps used in Selection Sort:" << selectionSort(Array2, SIZE) << endl;
31
32     return 0;
33 }
34
35 // This is my swapping function
36 void swap(long& a, long& b){

```

Line: 30 Col: 5 | 

```
The number of swaps used in Bubble Sort:92
The number of swaps used in Selection Sort:18
Program ended with exit code: 0
```