```cpp
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// Demo at 5:32pm

#include <iostream>

#include <time.h>

using namespace std;


int sort6(int[], int);


int main() {
  srand(time(NULL));
  // Initializing int array with size of 6
  int arr[6];
  // Initialize an int variable to get the size of array
  int sizeofArray = sizeof(arr) / sizeof(arr[0]);
  for (int i = 0; i < sizeofArray; i++) { // for size of array do:
    arr[i] = rand() % 401 + 100; // Gives every index in arr a random value (6)
    cout << arr[i] << " ";      // Prints out randomized array
  }
  cout << endl
      << sort6(arr, sizeofArray) << endl; // Passing sort mesthod on array
  return 0;
}


int sort6(int arr[], int size) {
  int sum = 0;
  // Selection sorting the array
  for (int i = 0; i < size; i++) {
    sum += arr[i];
```

```cpp
    if (arr[i] > arr[i + 1])

      for (int v = i + 1; v > 0; v--)

        if (arr[v] < arr[v - 1]) {

          int temp = arr[v];

          arr[v] = arr[v - 1];

          arr[v - 1] = temp;

        }

  }

  for (int i = 0; i < size; i++)

    cout << arr[i] << " ";

  cout << endl;

  return sum;

}
```

```
> make -s
> ./main
135 348 153 113 352 351
113 135 153 348 351 352
1883
> 
```