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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];

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;

}

Graphical user interface, text, chat or text message

Description automatically generated