#include <iostream>

int main() {

int size;

std::cout << "Enter the size of the array: ";

std::cin >> size;

int\* arr = new int[size];

// Fill the array with random values

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

arr[i] = rand() % 100; // Generate a random number between 0 and 99

}

// Print the unsorted array

std::cout << "Unsorted array:";

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

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

}

std::cout << std::endl;

// Sort the array using selection sort

for (int i = 0; i < size - 1; i++) {

int min\_index = i;

for (int j = i + 1; j < size; j++) {

if (arr[j] < arr[min\_index]) {

min\_index = j;

}

}

int temp = arr[i];

arr[i] = arr[min\_index];

arr[min\_index] = temp;

}

// Print the sorted array

std::cout << "Sorted array:";

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

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

}

std::cout << std::endl;

delete[] arr; // Don't forget to delete the array when you're done with it

return 0;

}