#include <stdio.h>

// Function to print an array

void printArray(int array[], int size) {

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

printf("%d ", array[i]);

}

printf("\n");

}

void SelectionSort(int array[], int size)

{

int i, j, min;

for (i = 0; i < size-1; i++) // One by one move boundary of unsorted subarray

{

min = i; //minimum element in unsorted array

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

if (array[j] < array[min])

min = j;

// Swap the minimum element with the first element

int temp = array[min];

array[min] = array[i];

array[i] = temp;

}

}

int main() {

int size;

// Get the size of the array from the user

printf("Enter the size of the array: ");

scanf("%d", &size);

int data[size];

// Get array elements from the user

printf("Enter %d elements:\n", size);

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

scanf("%d", &data[i]);

}

SelectionSort(data, size);

printf("Sorted array in ascending order:\n");

printArray(data, size);

return 0;

}