#include <stdio.h>

void swap(int \*x, int \*y) {

int temp = \*x;

\*x = \*y;

\*y = temp;

}

void selectionSort(int arr[], int n) {

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

int min\_index = i;

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

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

min\_index = j;

}

}

if (min\_index != i) {

swap(&arr[i], &arr[min\_index]);

}

}

}

int main() {

int n;

printf("Enter the number of elements: ");

scanf("%d", &n);

int arr[n];

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

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

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

}

selectionSort(arr, n);

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

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

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

}

return 0;

}

