#include <stdio.h>

void swap(int arr[], int i, int j)

{

int temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

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

{

int min = i;

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

{

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

min = j;

}

swap(arr, min, i);

if (i + 1 < n) {

selectionSort(arr, i + 1, n);

}

}

void printArray(int arr[], int n)

{

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

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

}

}

int main()

{

int arr[] = { 3, 5, 8, 4, 1, 9, -2 };

int n = sizeof(arr) / sizeof(arr[0]);

selectionSort(arr, 0, n);

printArray(arr, n);

return 0;

}