package com.lesson5.sort;

public class SelectionSort {

public static void main(String[] args) {

int[] arr = { 9, 6, 3, 1, 2, 4, 5 };

int length = arr.length;

// Arrays.sort(arr);

selectionSort(arr);

System.out.println("Elements after sorting");

for (int element : arr) {

System.out.print(element+" ");

}

}

public static void selectionSort(int[] arr) {

for (int i = 0; i < arr.length - 1; i++) {

int index = i;

for (int j = i + 1; j < arr.length; j++) {

if (arr[j] < arr[index]) {

index = j;

}

}

int smallNumber = arr[index];

arr[index] = arr[i];

arr[i] = smallNumber;

}

}

}