

```
1 import java.util.Arrays;
2
3 public class SelectionSort {
4     public static void main(
5         String[] args) {
6         int []arr={19,3,4,9,45,78};
7         Selection(arr);
8         System.out.println(
9             Arrays.toString(arr));
10
11 //          System.out.println
12 //          (maximum(arr,0, arr.length
13 //          ));
14     }
15     static void Selection(
16         int []arr){
17         for (int i = 0; i <
18             arr.length; i++) {
19             int last=arr.
20                 length-i-1;
21             int max=maximum(
22                 arr,0,last);
23             swap(arr,max,
```

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15 last);
16         }
17     }
18     static int maximum(int
19         []arr,int start,int end){
20         int max=start;
21         for (int i = 0; i <=
22             end; i++) {
23             if (arr[max]<arr
24                 [i]){
25                 max=i;
26             }
27         }
28         return max;
29     }
30     static void swap(int []
31         arr,int first,int second){
32         int temp=arr[first];
33         arr[first]=arr[
34             second];
35         arr[second]=temp;
36     }
37 }
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