

WK04\selectionSort.py

```
1 x = [13,86,35,1,100,45,11,6,67,65,2,7,23,23,23,87,38,67,31,99,1,1,100]
2 y = [13,86,35,1,100,45,11,6,67,65,2,7,23,23,23,87,38,67,31,99,1,1,100]
3
4 def selectionSort(arr):
5     for i in range(0, len(arr)-1, 1):
6         for j in range(i+1, len(arr)-1, 1):
7             if arr[j] < arr[i]:
8                 arr[j], arr[i] = arr[i], arr[j]
9
10 def revSelectionSort(arr):
11     for i in range(0, len(arr)-1, 1):
12         for j in range(i+1, len(arr)-1, 1):
13             if arr[j] > arr[i]:
14                 arr[j], arr[i] = arr[i], arr[j]
15
16 print("unsorted:\t", x)
17 selectionSort(x)
18 print("selectionSort:\t", x)
19 print("Python sort:\t", sorted(y))
```