









Output - SelectionSort (run) X

```
run:
Time taken : 0.004699 seconds

20 22 34 49 55 57 63 76 79 80 92 100
BUILD SUCCESSFUL (total time: 0 seconds)
```

Output - QuickSort (run) X

```
run:
Time taken : 0.020301 seconds

20 22 34 49 55 57 63 76 79 80 92 100
BUILD SUCCESSFUL (total time: 0 seconds)
```

Using the same array for both sorting algorithms, we can see that Selection sort is faster than Quicksort since Quick sort separates into smaller arrays but has to repeat the entire process of comparing the pivot. However, the opposite would be true with a significantly larger array since Selection sort has to check each individual element before finding the smallest element.