

Selection Sort:

1. Practice: {4 8 2 5 3 1 7 6}

2. Time complexity analysis: what is the runtime in Big O notation, for a list of size n ?

3. Pseudocode for array input:

```
public void selectionSort(int[] array) {
```

```
}
```

4. Pseudocode for list input:

```
public void selectionSort(LinkedList<E> list) {
```

```
}
```

Merge Sort

1. Practice: {4 8 2 5 3 1 7 6}

2. Pseudocode for merge sort:

```
public _____ mergeSort(_____) {
```

```
}
```

3. Time complexity analysis: what is the runtime in Big O notation, for a list of size n ?