Problem 1

1. A1 = [63, 44, 17, 77, 20, 6, 99, 84, 52, 39]

```
Comparisons = 9 | Swaps = 1 | Array = [63, 44, 17, 77, 20, 6, 39, 84, 52, 99]
Comparisons = 8 | Swaps = 1 | Array = [63, 44, 17, 77, 20, 6, 39, 52, 84, 99]
Comparisons = 7 | Swaps = 1 | Array = [63, 44, 17, 52, 20, 6, 39, 77, 84, 99]
Comparisons = 6 | Swaps = 1 | Array = [39, 44, 17, 52, 20, 6, 63, 77, 84, 99]
Comparisons = 5 | Swaps = 1 | Array = [39, 44, 17, 6, 20, 52, 63, 77, 84, 99]
Comparisons = 4 | Swaps = 1 | Array = [39, 20, 17, 6, 44, 52, 63, 77, 84, 99]
Comparisons = 3 | Swaps = 1 | Array = [6, 20, 17, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 2 | Swaps = 1 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 1 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```

2. A2 = [84, 52, 39, 6, 20, 17, 77, 99, 63, 44]

```
Comparisons = 9 | Swaps = 1 | Array = [84, 52, 39, 6, 20, 17, 77, 44, 63, 99]
Comparisons = 8 | Swaps = 1 | Array = [63, 52, 39, 6, 20, 17, 77, 44, 84, 99]
Comparisons = 7 | Swaps = 1 | Array = [63, 52, 39, 6, 20, 17, 44, 77, 84, 99]
Comparisons = 6 | Swaps = 1 | Array = [44, 52, 39, 6, 20, 17, 63, 77, 84, 99]
Comparisons = 5 | Swaps = 1 | Array = [44, 17, 39, 6, 20, 52, 63, 77, 84, 99]
Comparisons = 4 | Swaps = 1 | Array = [20, 17, 39, 6, 44, 52, 63, 77, 84, 99]
Comparisons = 3 | Swaps = 1 | Array = [20, 17, 6, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 2 | Swaps = 1 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 1 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```

3. A3 = [99, 84, 77, 63, 52, 44, 39, 20, 17, 6]

```
Comparisons = 9 | Swaps = 1 | Array = [6, 84, 77, 63, 52, 44, 39, 20, 17, 99]
Comparisons = 8 | Swaps = 1 | Array = [6, 17, 77, 63, 52, 44, 39, 20, 84, 99]
Comparisons = 7 | Swaps = 1 | Array = [6, 17, 20, 63, 52, 44, 39, 77, 84, 99]
Comparisons = 6 | Swaps = 1 | Array = [6, 17, 20, 39, 52, 44, 63, 77, 84, 99]
Comparisons = 5 | Swaps = 1 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 4 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 3 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 2 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 1 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```

Problem 2:

1. A4 = [44, 63, 77, 17, 20, 99, 84, 6, 39, 52]

```
Comparisons = 9 | Swaps = 6 | Array = [44, 63, 17, 20, 77, 84, 6, 39, 52, 99]
Comparisons = 8 | Swaps = 5 | Array = [44, 17, 20, 63, 77, 6, 39, 52, 84, 99]
Comparisons = 7 | Swaps = 5 | Array = [17, 20, 44, 63, 6, 39, 52, 77, 84, 99]
Comparisons = 6 | Swaps = 3 | Array = [17, 20, 44, 6, 39, 52, 63, 77, 84, 99]
Comparisons = 5 | Swaps = 2 | Array = [17, 20, 6, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 4 | Swaps = 1 | Array = [17, 6, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 3 | Swaps = 1 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 2 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```

2. A5 = [52, 84, 6, 39, 20, 77, 17, 99, 44, 63]

```
Comparisons = 9 | Swaps = 7 | Array = [52, 6, 39, 20, 77, 17, 84, 44, 63, 99]
Comparisons = 8 | Swaps = 6 | Array = [6, 39, 20, 52, 17, 77, 44, 63, 84, 99]
Comparisons = 7 | Swaps = 4 | Array = [6, 20, 39, 17, 52, 44, 63, 77, 84, 99]
Comparisons = 6 | Swaps = 2 | Array = [6, 20, 17, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 5 | Swaps = 1 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons = 4 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```

3. A6 = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]

```
Comparisons = 9 | Swaps = 0 | Array = [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
```