

Insertion Sort:

```
<terminated> InsertionSort [Java Application] C
Number of elements:
5
Enter the elements:23 45 1 56 9
Original Array:23 45 1 56 9
Sorted Array:1 9 23 45 56
```

Selection Sort:

```
<terminated> SelectionSort [Java Application] C:\Progr
Number of elements:
7
Enter the elements:199 38 45 65 23 4 5
Original Array:199 38 45 65 23 4 5
Sorted Array:4 5 23 38 45 65 199
```

Bubble Sort:

```
<terminated> BubbleSort [Java Application] C:\
Number of elements:
6
Enter the elements:909 45 6 89 34
45
Original Array:909 45 6 89 34 45
Sorted Array:6 34 45 45 89 909
```

Benchmark Results:

```
<terminated> Benchmark [Java Application] C:\Program Files\Java\jdk-16.0.1\bin\javaw.exe (Jan 28, 2025)
System Information:
Processor: Intel(R) Core(TM) i7-10510U CPU @ 1.80 GHz (8 CPUs), ~2.3 GHz
Memory: 16 GB RAM
Operating System: Windows 11 Home
```

Array Size (n)	Insertion Sort (ms)	Selection Sort (ms)	Bubble Sort (ms)
5	0	0	0
10	0	0	0
20	0	0	0
100	0	0	0
1000	1	1	1
5000	2	7	25
10000	11	41	120