

```
1 n = 12
2
3 Unsorted Array:
4 Comparisons done: 0
5 Swaps done: 0
6
7 BubbleSort:
8 Comparisons done: 121
9 Swaps done: 75
10
11 Improved BubbleSort:
12 Comparisons done: 66
13 Swaps done: 75
14
15 Select Sort:
16 Comparisons done: 66
17 Swaps done: 33
18
19 InsertSort:
20 Comparisons done: 36
21 Swaps done: 58
22
23 QuickSort:
24 Comparisons done: 48
25 Swaps done: 33
26
27
```