

```
1 public class Client
2 {
3     public static void main(String[] args)
4     {
5         int[] arr = {7, 3, 9, 8, 11, 15, 12};
6
7         final int N = arr.length;
8
9         //insertionSort(arr);
10
11        for (int i = 1; i <= N - 1; i++)
12        {
13            int pos = i;
14            int B = arr[i];
15
16            //Short-circuit evaluation
17            //first condition is false, won't even check the second
18            while ((pos > 0) && (arr[pos-1] > B))
19            {
20                arr[pos] = arr[pos-1];
21                pos--;
22            }
23            arr[pos] = B;
24
25            System.out.println();
26            //System.out.print("Pass #" + i + (":\t"));
27
28            for (pos = 0; pos <= N-1; pos++)
29            {
30                System.out.print("Pass #" + i + (":\t"));
31                System.out.print(arr[pos] + "\t");
32
33                //System.out.println();
34            }
35        }
36    }
37 }
```