

```
package com.simply;
```

```
import java.util.Arrays;
```

```
public class Bubble {
```

```
    public static void bubbleSort(int[] arr) {
```

```
        int n = arr.length;
```

```
        for (int i = 0; i < n - 1; i++) {
```

```
            for (int j = 0; j < n - i - 1; j++) {
```

```
                if (arr[j] > arr[j + 1]) {
```

```
                    // Swap arr[j] and arr[j + 1]
```

```
                    int temp = arr[j];
```

```
                    arr[j] = arr[j + 1];
```

```
                    arr[j + 1] = temp;
```

```
                }
```

```
            }
```

```
        }
```

```
    }
```

```
    public static void main(String[] args) {
```

```
        int[] array = { 4, 9, 8, 11, 1, 8 };
```

```
        System.out.println("Array before sorting: " + Arrays.toString(array));
```

```
        bubbleSort(array);
```

```
        System.out.println("Array after sorting: " + Arrays.toString(array));
```

```
    }
```

}

