

```
package com.simply;
```

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

```
public class Insertion {
```

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

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

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

```
            int key = arr[i];
```

```
            int j = i - 1;
```

```
            while (j >= 0 && arr[j] > key) {
```

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

```
                j--;
```

```
            }
```

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

```
        }
```

```
    }
```

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

```
        int[] array = { 11, 22, 88, 122, 18, 69 };
```

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

```
        insertionSort(array);
```

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

}

}

