

eclipse-workspace - PracticeProject6/src/InsertionSort.java - Eclipse IDE

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AppendFile.java AppendFile1... TextFileRead... bubbleSort.java FbBugAppli... InsertionSo... × CameraRent... MergeSort.java

```
1 import java.util.Arrays;
2
3 public class InsertionSort {
4
5     public static void main(String[] args) {
6         int[] arr = { 9, 6, 77, 1, 2, 46, 5 };
7
8         System.out.println("GIVEN ARRAY : " + Arrays.toString(arr));
9
10        insertionSort(arr);
11
12        System.out.println("SORTED ARRAY : " + Arrays.toString(arr));
13    }
14
15    private static void insertionSort(int[] arr) {
16        for (int i = 1; i < arr.length; i++) {
17
18            int temp = arr[i];
19            int j = i - 1;
20
21            while (j > -1 && temp < arr[j]) {
22                // swap
23                arr[j+1] = arr[j];
24                arr[j] = temp;
25                j--;
26            }
27        }
28    }
29
30 }
31
32
33
```

Problems Javadoc Declaration Console x

<terminated> InsertionSort [Java Application] C:\Users\Srinivas\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (19)
GIVEN ARRAY : [9, 6, 77, 1, 2, 46, 5]
SORTED ARRAY : [1, 2, 5, 6, 9, 46, 77]