```java
import java.util.*;
class Main {
   public static void main(String args[]) {
       int[] arr = {1, 3, 9, 6, 7};
       bubbleSortOnFactors(arr);
       System.out.println(Arrays.toString(arr));
   }

   public static void bubbleSortOnFactors(int[] arr) {
       int n = arr.length;
       for (int i = 1; i <= n - 1; i++) {
           for (int j = 0; j <= n - 1 - i; j++) {
               if (compareDec(arr[j], arr[j + 1]) > 0) {
                   swap(arr, j, j + 1);
               }
           }
       }
   }

   public static int coutFactors(int n) {
       int cnt = 0;
       for (int i = 1; i <= n; i++) {
           if (n % i == 0) {
               cnt++;
           }
       }
       return cnt;
   }

   public static int compareIncr(int a, int b) {
       int factorsA = coutFactors(a);
       int factorsB = coutFactors(b);

       if (factorsA > factorsB) {
           return 1;
       } else if (factorsA < factorsB) {
```

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            return -1;
        }
        return 0;
    }

    public static int compareDec(int a, int b) {
        int factorsA = coutFactors(a);
        int factorsB = coutFactors(b);

        // arr[j] < arr[j + 1]
        // arr[j] - arr[j + 1] < 0
        if (factorsA > factorsB) {
            return -1;
        } else if (factorsA < factorsB) {
            return 1;
        }
        return 0;
    }

    public static void swap(int[] arr, int i, int j) {
        int temp = arr[i];
        arr[i] = arr[j];
        arr[j] = temp;
    }

    // Sort an array on basis of factors
    // arr[] = {1, 3, 9, 6, 7};
    // arr[] = {1, 3, 7, 9, 6};
}
```