

Write a Java program to sort an array of integers in ascending order using a sorting algorithm of your choice

```
J BubbleSortExample.java > BubbleSortExample > main(String[])
1  public class BubbleSortExample {
    Run | Debug
2      public static void main(String[] args) {
3          int[] array = {64, 34, 25, 12, 22, 11, 90};
4
5          // Bubble sort algorithm
6          for (int i = 0; i < array.length - 1; i++) {
7              for (int j = 0; j < array.length - 1 - i; j++) {
8                  if (array[j] > array[j + 1]) {
9                      // Swap array[j] and array[j + 1]
10                     int temp = array[j];
11                     array[j] = array[j + 1];
12                     array[j + 1] = temp;
13                 }
14             }
15         }
16
17         // Print the sorted array
18         System.out.println("Sorted array in ascending order:");
19         for (int i : array) {
20             System.out.print(i + " ");
21         }
22     }
23 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```
PS C:\Users\SWETHA BENNY\Documents\javaProject> javac BubbleSortExample.java
>> java BubbleSortExample
>>
Sorted array in ascending order:
11 12 22 25 34 64 90
```