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1  // Java program for implementation of Bubble Sort
2  class BubbleSort
3  {
4      void bubbleSort(int arr[])
5      {
6          int n = arr.length;
7          for (int i = 0; i < n-1; i++)
8              for (int j = 0; j < n-i-1; j++)
9                  if (arr[j] > arr[j+1])
10                     {
11                         // swap temp and arr[i]
12                         int temp = arr[j];
13                         arr[j] = arr[j+1];
14                         arr[j+1] = temp;
15                     }
16      }
17
18      /* Prints the array */
19      void printArray(int arr[])
20      {
21          int n = arr.length;
22          for (int i=0; i<n; ++i)
23              System.out.print(arr[i] + " ");
24          System.out.println();
25      }
26
27      // Driver method to test above
28      public static void main(String args[])
29      {
30          BubbleSort ob = new BubbleSort();
31          int arr[] = {64, 34, 25, 12, 22, 11, 90};
32          ob.bubbleSort(arr);
33          System.out.println("Sorted array");
34          ob.printArray(arr);
35      }
36  }
37  /* This code is contributed by Rajat Mishra */
38
```