Our Solution(s) Run Code

Solution 1

```java
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class Program {
  // O(n) time | O(1) space
  public static int[] findThreeLargestNumbers(int[] array) {
    int[] threeLargest = {Integer.MIN_VALUE, Integer.MIN_VALUE, Intege
    for (int num : array) {
      updateLargest(threeLargest, num);
    }
    return threeLargest;
  }

  public static void updateLargest(int[] threeLargest, int num) {
    if (num > threeLargest[2]) {
      shiftAndUpdate(threeLargest, num, 2);
    } else if (num > threeLargest[1]) {
      shiftAndUpdate(threeLargest, num, 1);
    } else if (num > threeLargest[0]) {
      shiftAndUpdate(threeLargest, num, 0);
    }
  }

  public static void shiftAndUpdate(int[] array, int num, int idx) {
    for (int i = 0; i <= idx; i++) {
      if (i == idx) {
        array[i] = num;
      } else {
        array[i] = array[i + 1];
      }
    }
  }
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static int[] findThreeLargestNumbers(int[] array) {
    // Write your code here.
    return null;
  }
}

```

Custom Output Submit Code

Run or submit code when you're ready.

Our Tests