Solution 1

Run Code

Our Solution(s) Run

```
Run Code
```

Your Solutions

Solution 1 Solution 2

Solution 3

```
1 // Do not edit the class below except for
 2 // the Insert method. Feel free to add new
 3 // properties and methods to the class.
 4 public class Program {
    public class ContinuousMedianHandler {
       public double median = 0;
       public void Insert(int number) {
9
         // Write your code here.
10
11
       public double GetMedian() {
12
13
         return median;
14
15
16 }
17
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 using System;
4 using System.Collections.Generic;
6 public class Program {
     public static bool MAX_HEAP_FUNC(int a, int b) {
       return a > b;
9
10
     public static bool MIN_HEAP_FUNC(int a, int b) {
11
12
      return a < b;
13
14
15
     public class ContinuousMedianHandler {
       public Heap lowers;
16
17
       public Heap greaters;
18
       public double median = 0;
19
20
       public ContinuousMedianHandler() {
21
         this.lowers = new Heap(Program.MAX_HEAP_FUNC, new List<int>());
         this.greaters = new Heap(Program.MIN_HEAP_FUNC, new List<int>()
         this.median = 0;
24
26
       // O(log(n)) time | O(n) space
27
       public void Insert(int number) {
28
         if (lowers.length == 0 || number < lowers.peek()) {</pre>
29
           this.lowers.Insert(number);
30
         } else {
31
           this.greaters.Insert(number);
33
         this.rebalanceHeaps();
```

Run or submit code when you're ready.

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