

READ AND SORT FILE

Code:

```
2  package com.mycompany.readandsortfile;
3  import java.io.File;
4  import java.io.FileNotFoundException;
5  import java.util.Scanner;
6  import java.util.Arrays;
7
8  public class ReadAndSortFile {
9      public static void main(String[] args) {
10         int[] numbers = readNumbersFromFile();
11         displaySortedNumbers(numbers);
12     }
13     public static int[] readNumbersFromFile() {
14         int[] numbers = new int[10];
15         int index = 0;
16         try {
17             File file = new File("C:\\Users\\COMPUTER ARENA\\Desktop"
18                                 + "\\FileHandling\\numbers.txt");
19             Scanner sc = new Scanner(file);
20             while (sc.hasNextInt() && index < 10) {
21                 numbers[index] = sc.nextInt();
22                 index++;
23             }
24             sc.close();
25         } catch (FileNotFoundException e) {
26             System.out.println("File not found.");
27         }
28         return numbers;
29     }
30
31     public static void displaySortedNumbers(int[] numbers) {
32         Arrays.sort(numbers);
33         System.out.println("Sorted Numbers:");
34         for (int i = 0; i < numbers.length; i++) {
35             System.out.println(numbers[i]);
36         }
37     }
```

Output:

```
Sorted Numbers:
```

```
0
```

```
0
```

```
0
```

```
0
```

```
1
```

```
4
```

```
6
```

```
8
```

```
9
```

```
10
```