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File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Assignment 2 Se-221053 src Main.java Main readDataFromFile

Main.java Assignment 2 Se-221053.iml

28
no usages
29 @ public void InsertionSort(String[][] data) {
30     int n = data.length;
31     for (int i = 1; i < n; ++i) {
32         String[] key = data[i];
33         int j = i - 1;
34
35         while (j >= 0 && data[j][0].compareTo(key[0]) > 0) {
36             data[j + 1] = data[j];
37             j = j - 1;
38         }
39         data[j + 1] = key;
40     }
41 }
42
no usages
43 @ public void SelectionSort(String[][] data) {
44     int n = data.length;
45     for (int i = 0; i < n - 1; i++) {
46         int min_idx = i;
47         for (int j = i + 1; j < n; j++)
48             if (data[j][0].compareTo(data[min_idx][0]) < 0)
49                 min_idx = j;
50
51         String[] temp = data[min_idx];
52         data[min_idx] = data[i];
53         data[i] = temp;
54 }
```

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Assignment 2 Se-221053.iml - Main.java

Assignment 2 Se-221053srcMain.javaMainreadDataFromFile

Main.javaAssignment 2 Se-221053.iml

Project

5657

2 usages

58public void MergeSort(String[][] data, int left, int right) {

59 if (left < right) {

60 int middle = (left + right) / 2;

61 MergeSort(data, left, middle);

62 MergeSort(data, left: middle + 1, right);

63 merge(data, left, middle, right);

64 }

65 }

66

1 usage

67private void merge(String[][] data, int left, int middle, int right) {

68 int n1 = middle - left + 1;

69 int n2 = right - middle;

70

71 String[][] L = new String[n1][];

72 String[][] R = new String[n2][];

73

74 for (int i = 0; i < n1; ++i)

75 L[i] = data[left + i];

76 for (int i = 0; i < n2; ++i)

77 R[i] = data[middle + 1 + i];

78

79 int i = 0, j = 0;

80 int k = left;

81 while (i < n1 && j < n2) {

82 if (L[i][0].compareTo(R[j][0]) ≤ 0) {

Version Control

TODO

Problems

Terminal

Services

Microsoft Defender configuration: The IDE has detected Microsoft Defender with Real-Time Protection enabled. It might severely degrade IDE performance. It is recommen... (moments ago)

132:6

LF

UTF-8

AS

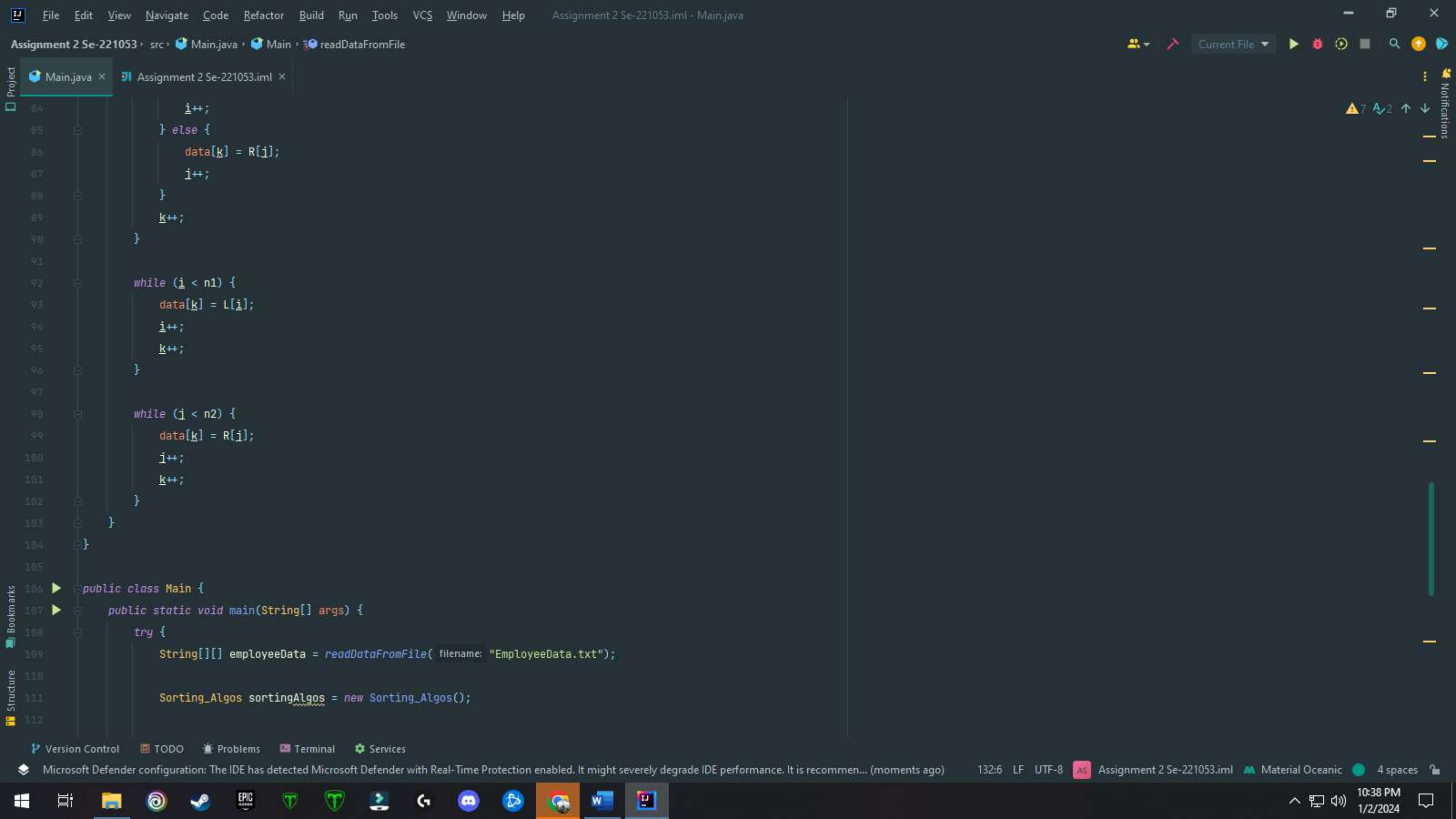
Assignment 2 Se-221053.iml

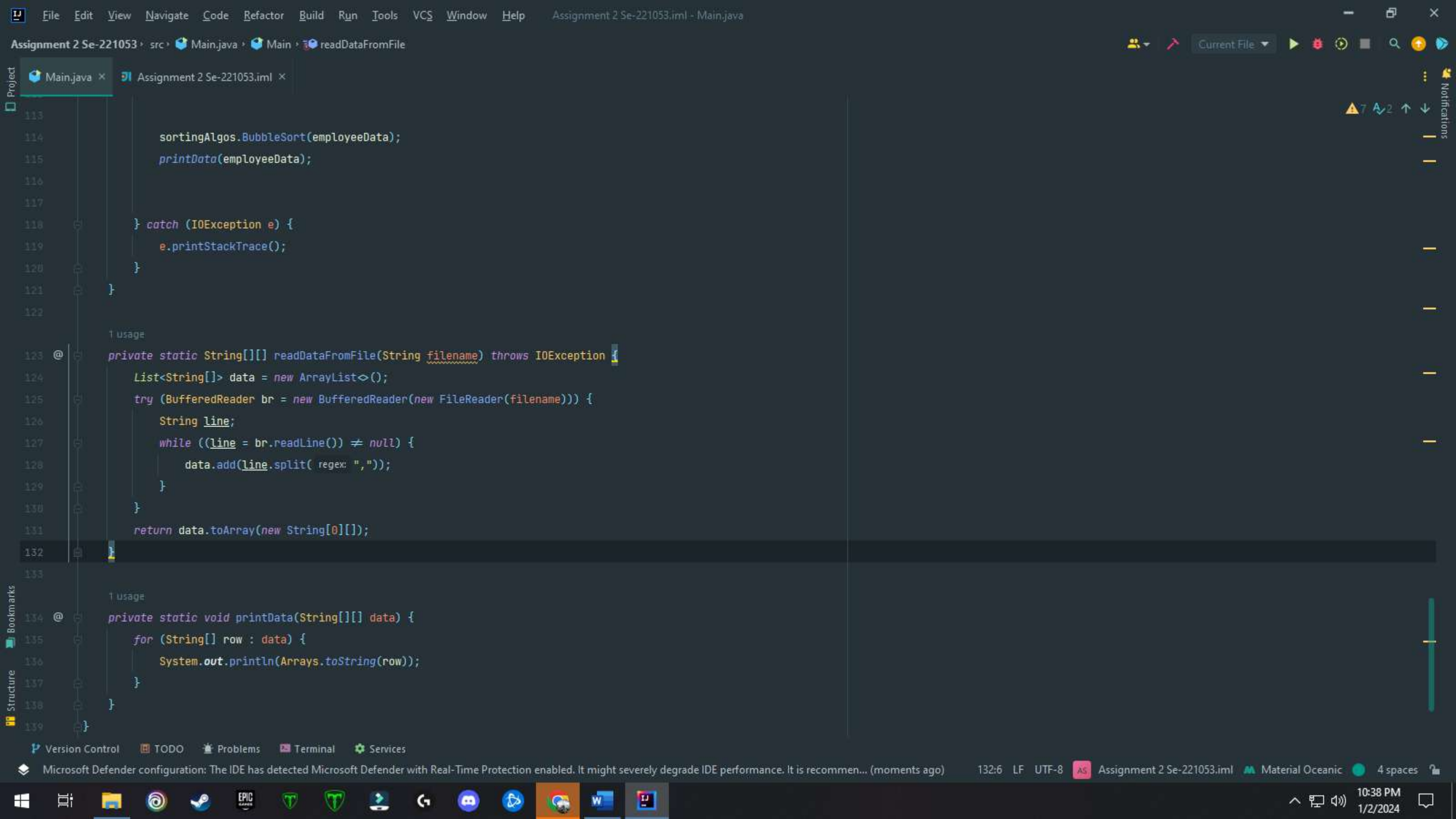
Material Oceanic

4 spaces

Windows Taskbar

System Tray: 10:38 PM, 1/2/2024





```
113
114     sortingAlgos.BubbleSort(employeeData);
115     printData(employeeData);
116
117
118 } catch (IOException e) {
119     e.printStackTrace();
120 }
121 }
122
123 @ 1 usage
124 private static String[][] readDataFromFile(String filename) throws IOException {
125     List<String[]> data = new ArrayList<>();
126     try (BufferedReader br = new BufferedReader(new FileReader(filename))) {
127         String line;
128         while ((line = br.readLine()) != null) {
129             data.add(line.split(" "));
130         }
131     }
132     return data.toArray(new String[0][]);
133
134 @ 1 usage
135 private static void printData(String[][] data) {
136     for (String[] row : data) {
137         System.out.println(Arrays.toString(row));
138     }
139 }
```

