

```
1 import java.io.File;
10
11
12 public class Digraphs {
13
14     /**
15      * This number should be changed in accordance with which spreadsheet is being
16      * looked at.
17      * 2 references normal digraphs
18      * 3 references digraphs for a typist missing their right index finger
19      * 4 references digraphs for a typist missing their right middle finger
20      * 5 references digraphs for a typist missing their left index finger
21      * 6 references digraphs for a typist missing their left middle finger
22      */
23     public static int sheetNumber = 5;
24
25     /**
26      * This program organizes digraphs into a 26 by 26 array.
27      * @return the digraph array.
28      * @throws IOException if file cannot be found.
29      */
30     public static double[][] getDigraphs() throws IOException {
31
32         double[][] digraphArray = new double[26][26];
33
34         FileInputStream file = new FileInputStream(
35             new File("C:\\Users\\apple\\eclipse-workspace\\Keyboards\\
36             \\digraphs.xlsx"));
37         //this should be the file location of the digraph
38         spreadsheet
39         Workbook workbook = new XSSFWorkbook(file);
40         Sheet sheet = workbook.getSheetAt(sheetNumber);
41         workbook.close();
42
43         int i = 0;
44         int j = 0;
45         for (Row row : sheet) {
46             if (i < 26) {
47                 for (Cell cell : row) {
48                     if (j < 26) {
49                         digraphArray[i][j] = (double) cell.getNumericCellValue();
50                         j++;
51                     } else
52                         break;
53                 }
54                 i++;
55                 j = 0;
56             } else
57                 break;
58         }
59         return digraphArray;
60 }
61 }
```