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# File APIs

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## How do I read Excel file?

Category: org.apache.poi, viewed: 106K time(s).

In this example we demonstrate how to read data from an Excel file. In this example we limit to read data only. After reading the data, iterating the each rows and cells of the Excel file we display the c program console.

```

1 package org.kodejava.example.poi;
2
3 import org.apache.poi.hssf.usermodel.HSSFCell;
4 import org.apache.poi.hssf.usermodel.HSSFRow;
5 import org.apache.poi.hssf.usermodel.HSSFSheet;
6 import org.apache.poi.hssf.usermodel.HSSFWorkbook;
7
8 import java.io.FileInputStream;
9 import java.io.IOException;
10 import java.util.ArrayList;
11 import java.util.Iterator;
12 import java.util.List;
13
14 public class ExcelReadExample {
15
16     @SuppressWarnings("unchecked")
17     public static void main(String[] args) throws Exception {
18         //
19         // An excel file name. You can create a file name with a :
20         // path information.
21         //
22         String filename = "..\\data.xls";
23
24         //
25         // Create an ArrayList to store the data read from excel :
26         //
27         List sheetData = new ArrayList();
28
29         FileInputStream fis = null;
30         try {
31             //
32             // Create a FileInputStream that will be use to read :
33             // excel file.
34             //
35             fis = new FileInputStream(filename);
36
37             //
38             // Create an excel workbook from the file system.
39             //
40             HSSFWorkbook workbook = new HSSFWorkbook(fis);
41             //
42             // Get the first sheet on the workbook.
43             //
44             HSSFSheet sheet = workbook.getSheetAt(0);
45
46             //
47             // When we have a sheet object in hand we can iterate:
48             // each sheet's rows and on each row's cells. We store
49             // data read on an ArrayList so that we can printed th
50             // content of the excel to the console.
51             //
52             Iterator rows = sheet.rowIterator();
53             while (rows.hasNext()) {
54                 HSSFRow row = (HSSFRow) rows.next();
55                 Iterator cells = row.cellIterator();
56
57                 List data = new ArrayList();
58                 while (cells.hasNext()) {
59                     HSSFCell cell = (HSSFCell) cells.next();
60                     data.add(cell);
61                 }
62
63                 sheetData.add(data);
64             }
65         } catch (IOException e) {
66             e.printStackTrace();
67         } finally {
68             if (fis != null) {
69                 fis.close();
70             }
71         }
72
73         showExcelData(sheetData);
74     }
75
76     private static void showExcelData(List sheetData) {
77         //
78         // Iterates the data and print it out to the console.
79         //
80         for (int i = 0; i < sheetData.size(); i++) {
81             List list = (List) sheetData.get(i);
82             for (int j = 0; j < list.size(); j++) {
83                 HSSFCell cell = (HSSFCell) list.get(j);
84                 System.out.print(

```

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javax.naming

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```
85         cell.getRichStringCellValue().getString().
86         if (j < list.size() - 1) {
87             System.out.print(", ");
88         }
89     }
90     System.out.println("");
91 }
92 }
93 }
```

Our program above print out the following lines:

A, A, A, A, A, A, A, A, A, A, A  
B, B, B, B, B, B, B, B, B, B, B  
C, C, C, C, C, C, C, C, C, C, C  
D, D, D, D, D, D, D, D, D, D, D  
E, E, E, E, E, E, E, E, E, E, E  
F, F, F, F, F, F, F, F, F, F, F  
G, G, G, G, G, G, G, G, G, G, G  
H, H, H, H, H, H, H, H, H, H, H  
I, I, I, I, I, I, I, I, I, I, I  
J, J, J, J, J, J, J, J, J, J, J

More examples on org.apache.poi

- How do I format cell style in Excel document?
- How do I create an Excel document using Apache POI?
- How do I obtain Excel's cell data type?
- How do I check if a cell contains a date value?

