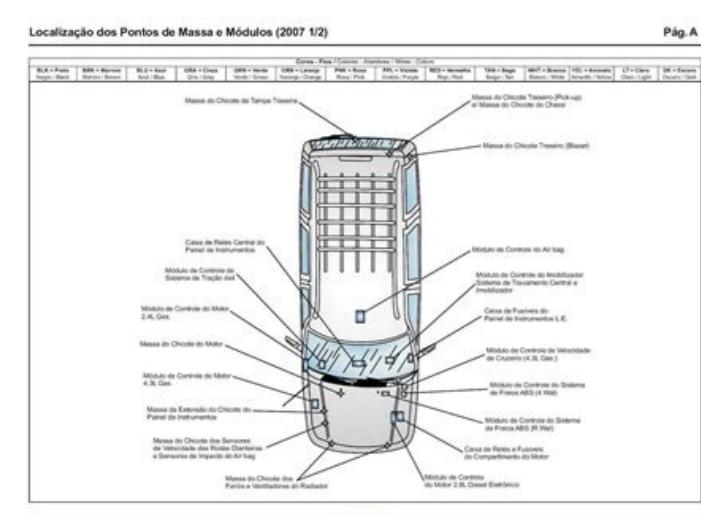
**Open**



SQL Workbench/J User's Manual

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Escala SOFA (Sepsis related Organ Failure Assessment)					
CRITERIOS	0	1	2	3	4
SNC Escala de Glasgow	15	13-14	10-12	6-9	<6
Renal Creatinina (mg/dl) Diuresis (ml/dia)	<1.2	1.2-1.9	2-3.4	3.5-4.9 ou <500	>5 ou <200
Hepático Bilirrubina (mg/dl)	<1.2	1.2-1.9	2-5.9	6-11.9	>12
Coagulación Plaquetas 10 ³ /mm ³	≥150	<150	<100	<50	<20
Respiratorio PaO ₂ /FiO ₂ (mmHg)	≥400	<400	<300	<200 y soporte ventilatorio	<100 y soporte ventilatorio
Cardiovascular TAM (mmHg) Drogas vasoactivas	≥70	<70	Dopamina a <5 o dobutamina a cuadros dosis	Dopamina 5-15 Noradrenalina o adrenalin a <0.1	Dopamina >15 Noradrenalina o adrenalin a >0.1

SNC: sistema nervioso central; BaO₂: presión arterial de oxígeno; FiO₂: fracción de oxígeno inspirado; TAM: tensión arterial media.



* Apache POI e PHP

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```
java_import("org.apache.poi.hwpf.extractor.WordExtractor");
$fs= new Java ("java.io.FileInputStream","poitest.docx");
$we = new WordExtractor($fs);
$text=$we->getText();
echo $text;
```

Apache poi read number as string. Apache poi read excel example java. Apache poi read xlsx. Apache poi read excel. Apache poi read large excel files. Apache poi read docx. Apache poi read csv. Apache poi read date format dd/mm/yyyy

These file formats have a .xls extension. This makes our program independent and works for both types of files -xls and .xlsx. The program shows three different ways to iterate on sheets, rows and columns. I prefer the Java 8 forEach loop with lambda expression. In this article, you will learn how to read the excel file in Java using a very simple but powerful open source library called Apache POI. And in the next article, you will learn how to create and write an excel file using Apache POI. Let's start!

Dependencies

First of all, we need to add the necessary dependencies to include Apache POI in our project. If you use maven, you need to add the following dependencies to your pom.xml file -Maven org.apache.poi then 3.17 org.apache.poi then-ooxml 3.17 Gradle If you use gradle then you can add the following to your build.gradle file:

```
compile "org.apache.poi:poi:3.17"
compile "org.apache.poi:poi-ooxml:3.17"
```

The first dependency then is used to work with the old Microsoft® binary file format for excel. Instead, we are creating the workbook using a WorkbookFactory. The second dependency then-ooxml is used to work with the most recent XML-based file format¹. Since excel files are so common, we developers often encounter use cases where we need to read data from an excel file or generate a report in excel format.

Horrible SpreadSheet Format (HSSF): High-level interface HSSF implementations such as HSSFWorkbook, HSSFSheet, HSSFRow, and HSSFCell are used to work with excel files of the old binary - .xlsXSSF (XML SpreadSheet Format): XSSF implementations are used to work with the new file format based on XML - .xlsx. In addition, To give a look at the next article to learn how to create and write an Excel file using Apache POI.

Program for reading an excel file with Apache POI

The following program shows how to read an excel file with Apache POI. The code that we write will work with both file format types - .xls and .xlsx.

Apache POI terminology

Apache POI excel library revolves around the following four key interfaces -

- Workbook: An workbook is the high-level representation of a spreadsheet.
- Sheet: A workbook can contain many sheets. You can use any method you want.
- Cell: Note that, I've used a DataFormatter object to format and get each cell as a String regardless of the Cell type.
- CellTypeEnum():

- BOOLEAN case: System.out.print(cell.getBooleanCellValue());
- NUMERIC case: if (DateUtil.isCellDateFormatted(cell)) { System.out.print(cell.getDateCellValue()); } else { System.out.print(cell.getNumericCellValue()); }
- FORMULA case: System.out.print(cell.getCellFormula());
- EMPTY case: System.out.print("");
- default: System.out.print("\t");

You can now call the above method in the master program to print each cell -

```
sheet.forEach(row -> { row.forEach(cell -> { printCellValue(cell); }); System.out.println() })
```

Conclusion

That was illustrated how to read Excel files in Java using the Apache POI library. Until next time! These files have .xlsx extension. Example of Excel file that is read in our code. Since we don't use file format specific POI classes, the program will work for both file types - .xls and .xlsx. The program shows three different iteration modes on sheets, rows, and columns in the excel file -

```
import org.apache.poi.openxml4j.exception.InvalidFormatException;
import org.apache.poi.ss.usermodel.*;
import java.io.File;
import java.io.IOException;
import java.util.Iterator;

public class ExcelReader {
    public static final String SAMPLE_XLSX_FILE_PATH = "./sample-xlsx-file.xlsx";
    public static void main(String[] args) throws IOException, InvalidFormatException {
        Workbook = WorkbookFactory.create(new File(SAMPLE_XLSX_FILE_PATH));
        System.out.println("The workbook contains " + folder.getNumberOfSheets() + " Sheets : ");
        Iterator sheetIterator = workbook.sheetIterator();
        System.out.println("Recovering sheets using Iterator");
        whereas (sheetIterator.hasNext()) { Sheet = sheetIterator.next();
        System.out.println("Retrieving sheets using the for-each loop");
        for (Sheet: workbook) { System.out.println("=> " + sheet.getSheetName());
        System.out.println("Recovering sheets using Java 8 forEach with lambda");
        folder.forEach(sheet -> { System.out.println("=> " + sheet.getSheetName()); });
        Sheet = folder.getSheetAt(0);
        DataFormatter dataFormatter = new DataFormatter();
        System.out.println("Iteration on rows and columns using Iterator");
        Iterator rowIterator = sheet.rowIterator();
        while (rowIterator.hasNext()) { Row row = rowIterator.next();
        Iterator cellIterator = row.cellIterator();
        while (cellIterator.hasNext()) { Cell cell = cellIterator.next();
        String cellValue = dataFormatter.formatCellValue(cell);
        System.out.print(cellValue + "\t");
        }
        System.out.println();
        System.out.println("Iteration on rows and columns using the for-each loop");
        for (row: sheet) { for (Cell: row) { String cellValue = dataFormatter.formatCellValue(cell);
        System.out.print(cellValue + "\t");
        }
        System.out.println();
        }
        System.out.println("Iteration on rows and columns using Java 8 forEach with lambda");
        sheet.forEach(row -> { row.forEach(cell -> { String cellValue = dataFormatter.formatCellValue(cell);
        System.out.print(cellValue + "\t");
        });
        System.out.println();
        });
        workbook.close();
    }
}
```

Note that we're not even using the concrete classes like HSSFWorkbook and XSSFWorkbook to create an instance of the Workbook. Excel files (spreadsheets) are widely used by people all over the world for various tasks related to organization, analysis, and storage of tabular data. You can find the entire source code on the github repository. The sample excel file that we looked at in the previous section has two sheets - Employee and DepartmentRow: As the name suggests, It represents a row in the spreadsheet. Cell: A cell represents a column in the spreadsheet. HSSF and XSSF implementations - Apache POI library consists of two different implementations for all the above interfaces. It is created using Google Sheets and has .xlsx extension. Note that, Although the sample file is of the newer XML based file format (.xlsx).

having the key PROD_ID into a new Product POJO, the following mapping is added into an iBATIS XML mapping file: ... The Apache iBator tool is closely related: it connects to your database and uses its metadata to generate iBATIS mapping files and Java classes. History 14.01.2022 · In short, you can read and write MS Excel files using Java. In addition, you can read and write MS Word and MS PowerPoint files using Java. Apache POI is your Java Excel solution (for Excel 97-2008). We have a complete API for porting other OOXML and OLE2 formats and welcome others to participate. 31.01.2022 · Apache POI is a collection of libraries — each one dedicated to manipulating a particular type of file. The XSSF library contains the classes for handling the xlsx Excel format. The figure below shows the Apache POI related interfaces and classes for manipulating xlsx Excel files: 3.2. Implementing the Row Insert 19.02.2022 · To Read and Write Excel file in Java, Apache provides a very famous library POI. This library is capable enough to read and write both XLS and XLSX file format of Excel.. To read XLS files, an HSSF implementation is provided by POI library.. To read XLSX, XSSF implementation of POI library will be the choice. Let's study these implementations in detail. 14.01.2022 · Apache POI releases are available under the Apache License, Version 2.0. See the NOTICE file contained in each release artifact for applicable copyright attribution notices. To ensure that you have downloaded the true release you should verify the integrity of the files using the signatures and checksums available from this page. Apache源于NCSAhttpd服务器，经过多次修改，成为世界上最流行的Web服务器软件之一。Apache取自“a patchy server”的读音，意思是充满补丁的服务器，因为它是自由软件，所以不断有人来为它开发新的功能、新的特性、修改原来的缺陷。Apache的特点是简单、速度快、性能稳定，并可做代理服务器来使用。 19.02.2022 · To Read and Write Excel file in Java, Apache provides a very famous library POI. This library is capable enough to read and write both XLS and XLSX file format of Excel.. To read XLS files, an HSSF implementation is provided by POI library.. To read XLSX, XSSF implementation of POI library will be the choice. Let's study these implementations in detail. To read the product record having the key PROD_ID into a new Product POJO, the following mapping is added into an iBATIS XML mapping file: ... The Apache iBator tool is closely related: it connects to your database and uses its metadata to generate iBATIS mapping files and Java classes. History 14.01.2022 · Apache POI releases are available under the Apache License, Version 2.0. See the NOTICE file contained in each release artifact for applicable copyright attribution notices. To ensure that you have downloaded the true release you should verify the integrity of the files using the signatures and checksums available from this page. 31.01.2022 · Apache POI is a collection of libraries — each one dedicated to manipulating a particular type of file. The XSSF library contains the classes for handling the xlsx Excel format. The figure below shows the Apache POI related interfaces and classes for manipulating xlsx Excel files: 3.2. Implementing the Row Insert Apache源于NCSAhttpd服务器，经过多次修改，成为世界上最流行的Web服务器软件之一。Apache取自“a patchy server”的读音，意思是充满补丁的服务器，因为它是自由软件，所以不断有人来为它开发新的功能、新的特性、修改原来的缺陷。Apache的特点是简单、速度快、性能稳定，并可做代理服务器来使用。 20.11.2011 · No, you don't have to include all of POI's dependencies. Maven's transitive dependency mechanism will take care of that. As noted you just have to express a dependency on the appropriate POI artifact. For example: org.apache.poi poi-ooxml 3.8-beta4 31.12.2020 · In this article, we'll learn how to read and write Microsoft Word with the help of Apache POI library.. Topics. Apache POI - HWPF and XWPF; Apache POI dependencies; Create a word document; Working with Paragraphs, Fonts, and Page breaks 20.11.2011 · No, you don't have to include all of POI's dependencies. Maven's transitive dependency mechanism will take care of that. As noted you just have to express a dependency on the appropriate POI artifact. For example: org.apache.poi poi-ooxml 3.8-beta4 31.12.2020 · In this article, we'll learn how to read and write Microsoft Word with the help of Apache POI library.. Topics. Apache POI - HWPF and XWPF; Apache POI dependencies; Create a word document; Working with Paragraphs, Fonts, and Page breaks

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