

poi 的常用 api 收藏

```
package cn.itcast.poi;
```

```
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Date;
import java.util.List;

import org.apache.poi.hssf.usermodel.HSSFCell;
import org.apache.poi.hssf.usermodel.HSSFCellStyle;
import org.apache.poi.hssf.usermodel.HSSFDataFormat;
import org.apache.poi.hssf.usermodel.HSSFFont;
import org.apache.poi.hssf.usermodel.HSSFRow;
import org.apache.poi.hssf.usermodel.HSSFSheet;
import org.apache.poi.hssf.usermodel.HSSFWorkbook;
import org.apache.poi.hssf.util.HSSFColor;
```

```
public class ExcelPoi {
    /**
     *
     * @param file 文件的路径
     * @throws Exception
     */
    public void outExcel(File file) throws Exception{
        //创建一个输出流，要把生成的文件输出到那个地方
        FileOutputStream fos = new FileOutputStream(file);
        //生成一个表格对象
        HSSFWorkbook wb = new HSSFWorkbook();
        //每个文件必须包含一个工作表
        //创建一个工作表
        HSSFSheet sheet = wb.createSheet("first sheet");
        //创建行，参数说明的是第几行
        HSSFRow row = sheet.createRow(0);
        //创建单元格，参数说明的是第几个单元格
        HSSFCell cell = row.createCell(0);
        //设置单元和的内容
        cell.setCellValue("第一个值");
        row.createCell(1).setCellValue(false);
    }
}
```

```
row.createCell(2).setCellValue(2312313.55);  
//一下两行设置貌似没有问题实际上是有问题的
```

```
row.createCell(3).setCellValue(Calendar.getInstance());  
row.createCell(4).setCellValue(new Date());  
//对数据进行格式化（style,风格，样式）  
//获得 wb 的日期格式对象  
HSSFDataFormat format = wb.createDataFormat();  
cell = row.getCell(2);  
HSSFCellStyle style = wb.createCellStyle();  
style.setDataFormat(format.getFormat("#,###.00"));  
//把样式添加到单元格中  
cell.setCellStyle(style);  
//设置日期的格式  
format.getFormat("yyyy-MM-dd");  
style = wb.createCellStyle();  
style.setDataFormat(format.getFormat("yyyy-MM-dd hh:mm:ss"));  
row.getCell(3).setCellStyle(style);  
row.getCell(4).setCellStyle(style);
```

```
//设置列宽  
sheet.setColumnWidth(1, 4000);  
sheet.setColumnWidth(2, 4000);  
sheet.setColumnWidth(3, 5000);  
sheet.setColumnWidth(4, 5000);
```

```
//设置文本的对其方式--左上对其  
row = sheet.createRow(1);  
//设置行的高  
row.setHeightInPoints(100);  
System.out.println(row);  
cell = row.createCell(0);  
System.out.println(cell);  
style = wb.createCellStyle();  
style.setVerticalAlignment(HSSFCellStyle.VERTICAL_TOP);  
style.setAlignment(HSSFCellStyle.ALIGN_LEFT);  
cell.setCellValue("左上对其方式");  
cell.setCellStyle(style);
```

```
//设置文本的对齐方式：--中中  
//row = sheet.createRow(1);  
cell = row.createCell(1);  
System.out.println(cell);
```

```

style = wb.createCellStyle();
style.setVerticalAlignment(HSSFCellStyle.VERTICAL_CENTER);
style.setAlignment(HSSFCellStyle.ALIGN_CENTER);
cell.setCellValue("种种对其方式");
cell.setCellStyle(style);
//设置文本的对齐方式: --右下
//row = sheet.createRow(1);
System.out.println(row);
cell = row.createCell(2);
System.out.println(cell);
style = wb.createCellStyle();
style.setVerticalAlignment(HSSFCellStyle.VERTICAL_BOTTOM);
style.setAlignment(HSSFCellStyle.ALIGN_RIGHT);
cell.setCellValue("右下对其方式右下对其方式右下对其方式右下对其方式右下对其
方式右下对其方式右下对其方式右下对其方式");
cell.setCellStyle(style);
//设置字体
HSSFFont font = wb.createFont();
font.setFontName("宋体");
//font.setFontHeight((short)30);
font.setColor(HSSFColor.GREEN.index);
style = row.getCell(1).getCellStyle();
style.setFont(font);
//设置旋转
style.setRotation((short)10);
//设置自动列宽
/**sheet.autoSizeColumn((short)1);可以使用的
//设置自动换行,是单元格的属性
row.getCell(2).getCellStyle().setWrapText(true);//这样它就自动换行了

//设置边框的颜色
row = sheet.createRow(2);
cell = row.createCell(1);
style = wb.createCellStyle();
//左边框为红色
style.setRightBorderColor(HSSFColor.RED.index);
style.setBorderRight(HSSFCellStyle.BORDER_DOUBLE);

style.setLeftBorderColor(HSSFColor.GREEN.index);
style.setBorderLeft(HSSFCellStyle.BORDER_DASH_DOT_DOT);
//设置粗细
//style.setBorderRight(HSSFCellStyle.BORDER_THICK);
cell.setCellStyle(style);

```

```

//移动 从第几行到第几行，第三个值是-1.是向上移动，正是向下移动
sheet.shiftRows(1, 2, 1);

row = sheet.createRow(3);
row.createCell(0);
cell = row.getCell(0);
cell.setCellValue(11);
row.createCell(1);
cell = row.getCell(1);
cell.setCellValue(12);
row.createCell(2);
cell = row.getCell(2);
cell.setCellValue(13);
//怎样去 1,2, 3 的平局值呢
cell = row.createCell(3);
cell.setCellFormula("average(A4:C4)");
//总和
cell = row.createCell(4);
cell.setCellFormula("sum(A4:C4)");
//拆分窗格
//1.上边距
//2.下边距
//3.
//4.
//5.
//sheet.createSplitPane(1000, 2000, 3, 4, 3);
//冻结窗格

sheet.createFreezePane(1, 1);
//把以上设计好的对象写道输出流中去

wb.write(fos);
//关闭流
fos.close();
}
public static void main(String[] args) {
    ExcelPoi ep = new ExcelPoi();
    try {
        ep.outExcel(new File("F:/test.xls"));
    } catch (Exception e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    List<Person> persons = new ArrayList<Person>();

```

```

        persons.add(new Person(1,"wangguang",false,24));
        persons.add(new Person(1,"王广",false,24));
        persons.add(new Person(1,"wa 哈哈 guang",false,24));
        persons.add(new Person(1,"wangguang",false,24));
        try {
            ep.createExcel(persons);
        } catch (Exception e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }

    public void createExcel(List<Person> persons) throws Exception {
        String[] titles = {"ID","姓名","婚否","年龄"};
        HSSFWorkbook wb = new HSSFWorkbook();
        HSSFSheet sheet = wb.createSheet();
        HSSFRow row = sheet.createRow(0);
        for(int i=0;i<titles.length;i++) {
            row.createCell(i).setCellValue(titles[i]);
        }
        int i = 1;
        for(Person person:persons) {
            row = sheet.createRow(i++);
            row.createCell(0).setCellValue(person.getId());
            row.createCell(1).setCellValue(person.getName());
            row.createCell(2).setCellValue(person.isMarr());
            row.createCell(3).setCellValue(person.getAge());
        }
        FileOutputStream fos = new FileOutputStream("d:/person.xls");
        wb.write(fos);
        fos.close();
        System.out.println("-----");
    }
}

class Person {
    public Integer id;
    public String name;
    public boolean marr;
    public int age;
    public Integer getId() {
        return id;
    }
    public void setId(Integer id) {
        this.id = id;
    }
}

```

```

    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public boolean isMarr() {
        return marr;
    }
    public void setMarr(boolean marr) {
        this.marr = marr;
    }
    public int getAge() {
        return age;
    }
    public void setAge(int age) {
        this.age = age;
    }
    public Person() {

    }
    public Person(Integer id, String name, boolean marr, int age) {
        super();
        this.id = id;
        this.name = name;
        this.marr = marr;
        this.age = age;
    }
}

```

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