**Practical 5**

**Aim: Write and test a program to update 10 student records into table into Excel file.**

Create a Student.xls file with Student data.

Download jxl 2.6 jar file.

Extract the jar file in the library of newly created project named Xsldata in Netbeans IDE.

Put the java code and file path , run the code. Updated Sample.xls file would be formed.

**Student.xls file**

| ROLL NO | Name | DBMS | JAVA | LINUX | TOTAL |
| --- | --- | --- | --- | --- | --- |
| 1 | Nandhu | 80 | 75 | 90 | 245 |
| 2 | Viju | 75 | 80 | 75 | 230 |
| 3 | Jona | 60 | 90 | 85 | 235 |
| 4 | Sheeja | 35 | 15 | 27 | 77 |
| 5 | Fatima | 40 | 34 | 23 | 97 |
| 6 | Pallavi | 25 | 41 | 64 | 130 |
| 7 | Trupti | 51 | 38 | 19 | 108 |
| 8 | Aditya | 90 | 65 | 99 | 254 |
| 9 | Rajeshri | 85 | 76 | 30 | 191 |
| 10 | Manasi | 99 | 85 | 95 | 279 |

**Code:**

package xsldata;

import java.io.File;

import java.io.IOException;

import jxl.Workbook;

import jxl.write.Label;

import jxl.write.Number;

import jxl.read.biff.BiffException;

import jxl.write.WritableSheet;

import jxl.write.WritableWorkbook;

import jxl.Sheet;

import jxl.CellType;

import jxl.Cell;

import jxl.write.WriteException;

import jxl.write.biff.RowsExceededException;

public class Xsldata {

private String inputFile;

public void setOutputFile(String inputFile) {

this.inputFile = inputFile;

}

public void write() throws IOException, WriteException {

File file = new File(inputFile);

WritableWorkbook workbook = Workbook.createWorkbook(file);

workbook.createSheet("Report", 0);

WritableSheet excelSheet = workbook.getSheet(0);

createLabel(excelSheet);

createContent(excelSheet);

workbook.write();

workbook.close();

}

public void read() throws IOException {

File inputWorkbook = new File("I:\\Sample.xls");

Workbook w;

boolean flag=false;

int count=0;

try {

w = Workbook.getWorkbook(inputWorkbook);

Sheet sheet = w.getSheet(0);

for (int j = 0; j < sheet.getRows(); j++) {

Cell cell = sheet.getCell(4, j);

if (cell.getType() == CellType.NUMBER) {

if(Integer.parseInt(cell.getContents())>100){

count++;

}

}

}

System.out.println("Total number of students who scored more than 100 is: "

+count);

} catch (BiffException e) {

}

}

private void createLabel(WritableSheet sheet)

throws WriteException {

addCaption(sheet, 0, 0, "Student Name");

addCaption(sheet, 1, 0, "Subject 1");

addCaption(sheet, 2, 0, "subject 2");

addCaption(sheet, 3, 0, "subject 3");

addCaption(sheet, 4, 0, "Total");

}

private void createContent(WritableSheet sheet) throws WriteException,

RowsExceededException {

for (int i = 1; i < 10; i++) {

addLabel(sheet, 0, i, "Student " + i);

addNumber(sheet, 1, i, ((i\*i)+17));

addNumber(sheet, 2, i, ((i\*i)+14));

addNumber(sheet, 3, i, ((i\*i)+13));

int total;

total=3\*(i\*i)+17+14+13;

addNumber(sheet,4,i,total);

}

}

private void addCaption(WritableSheet sheet, int column, int row, String s)

throws RowsExceededException, WriteException {

Label label;

label = new Label(column, row, s);

sheet.addCell(label);

}

private void addNumber(WritableSheet sheet, int column, int row,

Integer integer) throws WriteException, RowsExceededException {

Number number;

number = new Number(column, row, integer);

sheet.addCell(number);

}

private void addLabel(WritableSheet sheet, int column, int row, String s)

throws WriteException, RowsExceededException {

Label label;

label = new Label(column, row, s);

sheet.addCell(label);

}

public static void main(String[] args) throws WriteException, IOException {

Xsldata test = new Xsldata();

Xsldata test1 = new Xsldata();

test.setOutputFile("I:\\Sample.xls");

test.write();

test1.read();

System.out.println("Please check the result file under I:\\Sample1.xls ");

}

}

**Output:**



