# **JAT Task8**

1. Create a new Excel workbook.

2. Create a new sheet with the name "Sheet1".

3. Write the following data to the sheet:

Column headers: Name, Age, Email.

Row 1: John Doe, 30, john@test.com.

Row 2: Jane Doe, 28, john@test.com.

Row 3: Bob Smith, 35, jacky@example.com.

Row 4: Swapnil, 37, swapnil@example.com.

4. Write a Java program to write data to an Excel file using Apache POI library.

package Task7;

import java.io.FileOutputStream;

import java.io.IOException;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.apache.poi.ss.usermodel.\*;

public class question1 {

public static void main(String[] args) {

Workbook workbook = new XSSFWorkbook();

Sheet sheet = workbook.createSheet("Sheet1");

Row headerRow = sheet.createRow(0);

headerRow.createCell(0).setCellValue("Name");

headerRow.createCell(1).setCellValue("Age");

headerRow.createCell(2).setCellValue("Email");

Row dataRow1 = sheet.createRow(1);

dataRow1.createCell(0).setCellValue("John Doe");

dataRow1.createCell(1).setCellValue("30");

dataRow1.createCell(2).setCellValue("john@test.com");

Row dataRow2 = sheet.createRow(2);

dataRow2.createCell(0).setCellValue("Jane Doe");

dataRow2.createCell(1).setCellValue("28");

dataRow2.createCell(2).setCellValue("john@test.com");

Row dataRow3 = sheet.createRow(3);

dataRow3.createCell(0).setCellValue("Bob Smith");

dataRow3.createCell(1).setCellValue("35");

dataRow3.createCell(2).setCellValue("jacky@example.com");

Row dataRow4 = sheet.createRow(4);

dataRow4.createCell(0).setCellValue("Swapnil");

dataRow4.createCell(1).setCellValue("37");

dataRow4.createCell(2).setCellValue("swapnil@example.com");

try (FileOutputStream fileOut = new FileOutputStream("F:\\Java eclipse\\Dataworksheet\\EmployeeData.xlsx")) {

workbook.write(fileOut);

} catch (IOException e) {

e.printStackTrace();

} finally {

try {

workbook.close();

} catch (IOException e) {

e.printStackTrace();

}

}

System.***out***.println("Excel file created successfully.");

}

}

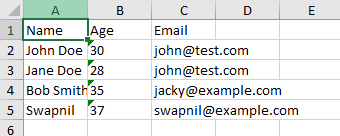
Output:

Excel file created successfully.

Created file:



Screenshot from sheet:



5. Write a Java program to read data from an Excel file using Apache POI library

and print it in the console.

package Task7;

import org.apache.poi.ss.usermodel.\*;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

public class question5 {

public static void main(String[] args) {

File excelFilePath = new File("F:\\Java eclipse\\Dataworksheet\\EmployeeData.xlsx");

try {

FileInputStream toread = new FileInputStream(excelFilePath);

Workbook workbook = new XSSFWorkbook(toread);

Sheet sheet = workbook.getSheetAt(0);

for (Row row : sheet) {

for (Cell cell : row) {

switch (cell.getCellType()) {

case ***STRING***:

System.***out***.print(cell.getStringCellValue() + "\t");

break;

case ***NUMERIC***:

System.***out***.print(cell.getNumericCellValue() + "\t");

break;

case ***BOOLEAN***:

System.***out***.print(cell.getBooleanCellValue() + "\t");

break;

default:

System.***out***.print("Unknown Type\t");

}

}

System.***out***.println();

}

workbook.close();

toread.close();

} catch (IOException e) {

e.printStackTrace();

}

}

}

Output:

Name Age Email

John Doe 30 john@test.com

Jane Doe 28 john@test.com

Bob Smith 35 jacky@example.com

Swapnil 37 swapnil@example.com