

Apache POI Configuration

```
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi-ooxml-schemas</artifactId>
  <version>4.1.1</version>
</dependency>
<!--
https://mvnrepository.com/artifact/org.apache.poi/poi
-->
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi</artifactId>
  <version>4.1.1</version>
</dependency>
<!--
https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml
-->
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi-ooxml</artifactId>
  <version>4.1.1</version>
</dependency>
```

Save the POM.xml file.

Demo 1: read data from excel and print on console

```
package dataDrivenTesting;
import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;
```

```

import org.apache.poi.ss.usermodel.CellType;
import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFRow;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
public class ReadDataExcel {
    public static void main(String[] args) throws
IOException {
        // TODO Auto-generated method stub

        // use Java and apache poi to read data from
excel sheet and print on the console

        // 1. Set the path of excel sheet on your laptop

        String excelfilepath =
"C:\\Users\\sonal\\Desktop\\mytestdata\\testdata1.xlsx";

        // 2. Use java class to create an object that
will store the above path

        File excelfile = new File(excelfilepath);

        // 3. Go to above location fetch the excel

        FileInputStream fis = new
FileInputStream(excelfile);

        // 4. Create an Object to read the excel ->
Use Apache poi class

        XSSFWorkbook workbook = new
XSSFWorkbook(fis);

        // 5. From the workbook, fetch the sheet

```

```

        XSSFSheet sheet =
workbook.getSheet("Sheet1");

        // 6. Count the number of rows with data in
the sheet

        int rows= sheet.getLastRowNum();

        System.out.println("Number of rows in the
sheet " + rows);

        // 7. Count number of columns with data

        // there is no method to count the number of
columns

        // we need to use logic: go to 1st row,
count the each cell with data => number of columns
with data

        int col = sheet.getRow(1).getLastCellNum();

        System.out.println("Number of columns in the
sheet " + col);

        // 8. Go to each row, each column and get
the cell data

        // write 2 for loop to go to every row ,
every cell and get data

        for (int r =0;r<rows;r++)
        {
            XSSFRow row = sheet.getRow(r);

            // loop to go to each cell of the row

```

```

        for(int c=0; c<col;c++)
        {
            XSSFCell cell = row.getCell(c);

            CellType celltype = cell.getCellType();

            switch(celltype)
            {
                case STRING:

System.out.print(cell.getStringCellValue());
                break;
                case NUMERIC:

System.out.print(cell.getNumericCellValue());
                break;

            }

            System.out.println(" ");

        }

        System.out.println("");

    }

    workbook.close();

}

```