

```
package excelReading;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.apache.poi.ss.usermodel.WorkbookFactory;
```

```
public class Eg1 {
```

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

```
        FileInputStream myFile= new FileInputStream("D:\\VCITY\\Java  
Class\\23 Nov 2024\\23rd Nov Morning2024.xlsx");
```

```
        //        String value =  
        WorkbookFactory.create(myFile).getSheet("Sheet2").getRow(4).getCell(2).getStringCell  
        Value();
```

```
        //        System.out.println(value);
```

```
        //        double value =  
        WorkbookFactory.create(myFile).getSheet("Sheet2").getRow(6).getCell(3).getNumericC  
        ellValue();
```

```
        //        System.out.println(value);
```

```
        boolean value =  
        WorkbookFactory.create(myFile).getSheet("Sheet2").getRow(7).getCell(3).getBooleanC  
        ellValue();
```

```
        System.out.println(value);
```

```
    }
```

```
}
```

```
package excelReading;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.apache.poi.ss.usermodel.Cell;
```

```
import org.apache.poi.ss.usermodel.CellType;
```

```
import org.apache.poi.ss.usermodel.Row;
```

```
import org.apache.poi.ss.usermodel.Sheet;
```

```
import org.apache.poi.ss.usermodel.WorkbookFactory;
```

```
import org.checkerframework.checker.units.qual.m;
```

```
public class Eg2 {
```

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

```
        FileInputStream myFile= new FileInputStream("D:\\VCITY\\Java  
Class\\23 Nov 2024\\23rd Nov Morning2024.xlsx");
```

```
        Sheet mySheet = WorkbookFactory.create(myFile).getSheet("Sheet2");
```

```
        Row myRow = mySheet.getRow(0);
```

```
        Cell myCell = myRow.getCell(0);
```

```
        CellType myCellType = myCell.getCellType();
```

```
        System.out.println(myCellType);
```

```
        String value = myCell.getStringCellValue();
```

```
        System.out.println(value);
```

```
    }
```

```
}
```

```
package excelReading;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.apache.poi.ss.usermodel.Sheet;
```

```
import org.apache.poi.ss.usermodel.Workbook;
```

```
import org.apache.poi.ss.usermodel.WorkbookFactory;
```

```
public class Eg4 {
```

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

```
        FileInputStream myFile = new FileInputStream("D:\\VCITY\\Java  
Class\\23 Nov 2024\\23rd Nov Morning2024.xlsx");
```

```
        Workbook myWorkBook = WorkbookFactory.create(myFile);
```

```
        Sheet mySheet = myWorkBook.getSheet("Sheet3");
```

```
        // read complete row
```

```
        for (int i = 0; i <= 6; i++) {
```

```
            String value = mySheet.getRow(0).getCell(i).getStringCellValue();
```

```
            System.out.print(value + " ");
```

```
        }
```

```
        System.out.println();
```

```
        // read complete column
```

```
        for (int j = 0; j <= 5; j++) {
```

```
            String value = mySheet.getRow(j).getCell(0).getStringCellValue();
```

```
            System.out.println(value);
```

```
        }
```

```

        System.out.println();

        // read complete excel

        Sheet mySheet1 = myWorkBook.getSheet("Sheet4");

        // outer for loop-->rows
        for (int i = 0; i <= 2; i++) {

            // inner for loop-->cells
            for (int j = 0; j <= 4; j++) {

                String value =
mySheet1.getRow(i).getCell(j).getStringCellValue();

                System.out.print(value + " ");

            }

            System.out.println();

        }

    }
}

```

```
package excelReading;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.apache.poi.ss.usermodel.Sheet;
```

```
import org.apache.poi.ss.usermodel.Workbook;
```

```
import org.apache.poi.ss.usermodel.WorkbookFactory;
```

```
public class Eg5 {
```

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

```
    FileInputStream myFile = new FileInputStream("D:\\VCITY\\Java
Class\\23 Nov 2024\\23rd Nov Morning2024.xlsx");
```

```
    Workbook myWorkBook = WorkbookFactory.create(myFile);
```

```
    Sheet mySheet = myWorkBook.getSheet("Sheet4");
```

```
    //count total rows
```

```
    int lastRowNum = mySheet.getLastRowNum();
```

```
    System.out.println(lastRowNum);
```

```
    int totalNumOfRows=lastRowNum;
```

```
    //count total columns
```

```
    short lastCellNum = mySheet.getRow(0).getLastCellNum();
```

```
    System.out.println(lastCellNum);
```

```
    int totalNumOfCoulmns=lastCellNum-1;
```

```
    for(int i=0;i<=totalNumOfRows;i++)
```

```
    {
```

```
        for(int j=0;j<=totalNumOfCoulmns;j++)
```

```
        {
```

```
            String value =
mySheet.getRow(i).getCell(j).getStringCellValue();
```

```
            System.out.print(value+" ");
```

```
        }
```

```
        System.out.println();
```

```
    }
```

```
}
```

```
}
```

```
package excelReading;
```

```

import java.io.FileInputStream;

import java.io.IOException;


import org.apache.poi.EncryptedDocumentException;
import org.apache.poi.ss.usermodel.Cell;
import org.apache.poi.ss.usermodel.CellType;
import org.apache.poi.ss.usermodel.Sheet;
import org.apache.poi.ss.usermodel.Workbook;
import org.apache.poi.ss.usermodel.WorkbookFactory;


public class Eg6 {

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

        FileInputStream myFile = new FileInputStream("D:\\VCITY\\Java
Class\\23 Nov 2024\\23rd Nov Morning2024.xlsx");

        Workbook myWorkBook = WorkbookFactory.create(myFile);

        Sheet mySheet = myWorkBook.getSheet("Sheet5");

        // count total rows

        int lastRowNum = mySheet.getLastRowNum();

        System.out.println(lastRowNum);

        int totalNumOfRows = lastRowNum;

        // count total cells

        short lastCellNum = mySheet.getRow(0).getLastCellNum();

        System.out.println(lastCellNum);

        int totalNumOfCells = lastCellNum - 1;


        for (int i = 0; i <= totalNumOfRows; i++) {

            for (int j = 0; j <= totalNumOfCells; j++) {

                Cell myCell = mySheet.getRow(i).getCell(j);

```

```
        if (myCell.getCellType() == CellType.STRING) {  
            String value = myCell.getStringCellValue();  
            System.out.print(value + " ");  
        } else if (myCell.getCellType() == CellType.NUMERIC) {  
            double value = myCell.getNumericCellValue();  
            System.out.print(value + " ");  
        } else if (myCell.getCellType() == CellType.BOOLEAN) {  
            boolean value = myCell.getBooleanCellValue();  
            System.out.print(value + " ");  
        }  
  
    }  
  
    System.out.println();  
}  
  
}  
  
}
```