File Operation

EXCEL WRITER

```java
package testingclass;
import org.apache.poi.ss.usermodel.*;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import java.io.FileOutputStream;
import java.io.IOException;
public class ExcelWriter {

    public static void main(String[] args) {
        // 1. Create a workbook (Excel file in memory)
        Workbook workbook = new XSSFWorkbook();

        // 2. Create a sheet named "Sheet1"
        Sheet sheet = workbook.createSheet("Sheet1");

        // 3. Data to write
        String[][] data = {
            {"Name", "Age", "Email"},
            {"John Doc", "30", "john@test.com"},
            {"Jane Doe", "28", "john@test.com"},
            {"Bob Smith", "35", "jacky@example.com"},
            {"Swapnil", "37", "swapnil@example.com"}
        };

        // 4. Write rows & columns
        for (int i = 0; i < data.length; i++) {
            Row row = sheet.createRow(i);
            for (int j = 0; j < data[i].length; j++) {
```

```java
                    Cell cell = row.createCell(j);

                    cell.setCellValue(data[i][j]);

                }

            }


            // 5. Save file to disk

            try (FileOutputStream fos = new FileOutputStream("EmployeeData.xlsx")) {

                workbook.write(fos);

                System.out.println("Excel file created: EmployeeData.xlsx");

            } catch (IOException e) {

                e.printStackTrace();

            }


            // 6. Close workbook

            try {

                workbook.close();

            } catch (IOException e) {

                e.printStackTrace();

            }

        }

    }
```

EXCEL READER

```java
package testingclass;

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

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


import java.io.FileInputStream;

import java.io.IOException;


public class ExcelReader {

    public static void main(String[] args) {

        String filePath = "EmployeeData.xlsx"; // file name created above
```

```
try (FileInputStream fis = new FileInputStream(filePath);
    Workbook workbook = new XSSFWorkbook(fis)) {


    Sheet sheet = workbook.getSheet("Sheet1"); // Get sheet by name


    for (Row row : sheet) {  // Iterate rows
        for (Cell cell : row) { // Iterate cells
            System.out.print(cell.toString() + " | ");
        }
        System.out.println();
    }


} catch (IOException e) {
    e.printStackTrace();
}
    }
}
```

RESULT:


```
Problems  @ Javadoc  Declaration  Console ×
<terminated> ExcelWriter (1) [Java Application] C:\Users\Jayar\Down
ERROR StatusLogger Log4j2 could not find a logging
Excel file created: EmployeeData.xlsx
```



```
<terminated> ExcelReader [Java Application] C:\Users\Jayar\Downlo
ERROR StatusLogger Log4j2 could not find a logging
Name  |  Age  |   Email  |
John Doc  |  30  |  john@test.com  |
Jane Doe  |  28  |  john@test.com  |
Bob Smith  |  35  |  jacky@example.com  |
Swapnil  |  37  |  swapnil@example.com  |
```