**Task 8**

**1.**

**package javatask8;**

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

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

**import java.io.File;**

**import java.io.FileInputStream;**

**import java.io.FileOutputStream;**

**import java.io.IOException;**

**public class ExcelReadWrite {**

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

***writeToExcel*();**

***readFromExcel*();**

**}**

**public static void writeToExcel() throws IOException {**

**try (**

**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");**

**Object[][] data = {**

**{"John Doe" ,30, "john@test.com"},**

**{"Jane Doe" ,28, "jane@test.com"},**

**{"Bob Smith",35, "jacky@example.com"},**

**{"Swapnil" ,37, "swapnil@example.com"}**

**};**

**int rowNum = 1;**

**for (Object[] rowData : data) {**

**Row row = sheet.createRow(rowNum++);**

**row.createCell(0).setCellValue((String) rowData[0]);**

**row.createCell(1).setCellValue((Integer) rowData[1]);**

**row.createCell(2).setCellValue((String) rowData[2]);**

**}**

**FileOutputStream myfileOut = new FileOutputStream("C:\\Users\\durai\\Desktop\\workBook1.xlsx");**

**workbook.write(myfileOut);**

**}**

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

**}**

**public static void readFromExcel() throws IOException {**

**FileInputStream file = new FileInputStream(new File("C:\\Users\\durai\\Desktop\\workBook1.xlsx"));**

**Workbook workbook = new XSSFWorkbook(file);**

**Sheet sheet = workbook.getSheet("Sheet1");**

**System.*out*.println("Reading data from the Excel file:");**

**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;**

**default:**

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

**}**

**}**

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

**}**

**file.close();**

**workbook.close();**

**}**

**}**