1. **Write a program to read text from .txt file using InputStream**

import java.io.File;

import java.io.FileInputStream;

import java.io.InputStream;

public class Main

{

public static void main(String[] args)

{

File file = new File("doc.txt");

try (InputStream in = new FileInputStream(file))

{

int content;

while ((content = in.read()) != -1) {

System.out.print((char)content);

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

**Output**

$javac Main.java

$java -Xmx128M -Xms16M Main

java.io.FileNotFoundException: doc.txt (No such file or directory)

at java.io.FileInputStream.open0(Native Method)

at java.io.FileInputStream.open(FileInputStream.java:195)

at java.io.FileInputStream.<init>(FileInputStream.java:138)

at Main.main(Main.java:11)

1. **Write a program to write text to .txt file using OutputStream**

//Java program to demonstrate creating a text file using FileOutputStream

import java.io.BufferedOutputStream;

import java.io.DataInputStream;

import java.io.FileOutputStream;

import java.io.IOException;

public class Create\_File

{

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

{

//attach keyboard to DataInputStream

DataInputStream dis=new DataInputStream(System.in);

// attach file to FileOutputStream

FileOutputStream fout=new FileOutputStream("file.txt");

//attach FileOutputStream to BufferedOutputStream

BufferedOutputStream bout=new BufferedOutputStream(fout,1024);

System.out.println("Enter text (@ at the end):");

char ch;

//read characters from dis into ch. Then write them into bout.

//repeat this as long as the read character is not @

while((ch=(char)dis.read())!='@')

{

bout.write(ch);

}

//close the file

bout.close();

}

}

**Output**

$javac Create\_File.java

$java -Xmx128M -Xms16M Create\_File

Enter text (@ at the end):

**5. Write a program to read text from .txt file using FileReader**

package com.javatpoint;

import java.io.FileReader;

public class FileReaderExample {

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

FileReader fr=new FileReader("D:\\testout.txt");

int i;

while((i=fr.read())!=-1)

System.out.print((char)i);

fr.close();

}

}

**Output**

Welcome to javaTpoint.

**6. Write a program to write text to .txt file using FileWriter**

package com.javatpoint;

import java.io.FileWriter;

public class FileWriterExample {

public static void main(String args[]){

try{

FileWriter fw=new FileWriter("D:\\testout.txt");

fw.write("Welcome to javaTpoint.");

fw.close();

}catch(Exception e){System.out.println(e);}

System.out.println("Success...");

}

}

**Output**

$javac com/javatpoint/FileWriterExample.java

$java -Xmx128M -Xms16M com/javatpoint/FileWriterExample

Success...

**Write a program to read data from properties file**

import java.util.\*;

import java.io.\*;

public class Test {

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

FileReader reader=new FileReader("db.properties");

Properties p=new Properties();

p.load(reader);

System.out.println(p.getProperty("user"));

System.out.println(p.getProperty("password"));

}

}

Output :system

oracle

**Write a program to read data from excel**

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

import org.apache.poi.hssf.usermodel.HSSFSheet;

import org.apache.poi.hssf.usermodel.HSSFWorkbook;

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

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

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

public class ReadExcelFileDemo

{

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

{

//obtaining input bytes from a file

FileInputStream fis=new FileInputStream(new File("C:\\demo\\student.xls"));

//creating workbook instance that refers to .xls file

HSSFWorkbook wb=new HSSFWorkbook(fis);

//creating a Sheet object to retrieve the object

HSSFSheet sheet=wb.getSheetAt(0);

//evaluating cell type

FormulaEvaluator formulaEvaluator=wb.getCreationHelper().createFormulaEvaluator();

for(Row row: sheet) //iteration over row using for each loop

{

for(Cell cell: row) //iteration over cell using for each loop

{

switch(formulaEvaluator.evaluateInCell(cell).getCellType())

{

case Cell.CELL\_TYPE\_NUMERIC: //field that represents numeric cell type

//getting the value of the cell as a number

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

break;

case Cell.CELL\_TYPE\_STRING: //field that represents string cell type

//getting the value of the cell as a string

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

break;

}

}

System.out.println();

}

}

}

**Output**

Employee ID Employee Name Salary Designation Department

1223.0 Harsh 20000.0 Marketing Manager Marketing

3213.0 Vivek 15000.0 Financial Advisor Finance

6542.0 Krishna 21000.0 HR Manager HR

9213.0 Sarika 34000.0 Sales Manager Sales

**Write a program to write data to excel**

// Java program to write data in excel sheet using java code

import java.io.File;

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

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

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

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

import java.io.FileOutputStream;

import java.util.Map;

import java.util.Set;

import java.util.TreeMap;

public class WriteDataToExcel {

// any exceptions need to be caught

public static void main(String[] args) throws Exception

{

// workbook object

XSSFWorkbook workbook = new XSSFWorkbook();

// spreadsheet object

XSSFSheet spreadsheet

= workbook.createSheet(" Student Data ");

// creating a row object

XSSFRow row;

// This data needs to be written (Object[])

Map<String, Object[]> studentData

= new TreeMap<String, Object[]>();

studentData.put(

"1",

new Object[] { "Roll No", "NAME", "Year" });

studentData.put("2", new Object[] { "128", "Aditya",

"2nd year" });

studentData.put(

"3",

new Object[] { "129", "Narayana", "2nd year" });

studentData.put("4", new Object[] { "130", "Mohan",

"2nd year" });

studentData.put("5", new Object[] { "131", "Radha",

"2nd year" });

studentData.put("6", new Object[] { "132", "Gopal",

"2nd year" });

Set<String> keyid = studentData.keySet();

int rowid = 0;

// writing the data into the sheets...

for (String key : keyid) {

row = spreadsheet.createRow(rowid++);

Object[] objectArr = studentData.get(key);

int cellid = 0;

for (Object obj : objectArr) {

Cell cell = row.createCell(cellid++);

cell.setCellValue((String)obj);

}

}

// .xlsx is the format for Excel Sheets...

// writing the workbook into the file...

FileOutputStream out = new FileOutputStream(

new File("C:/savedexcel/GFGsheet.xlsx"));

workbook.write(out);

out.close();

}

}