Write a program in Java to demonstrate exception handling

Program:

//create a File

package Pi;

import java.io.File;

import java.io.IOException;

public class CreateFile {

public static void main(String[] args) {

File myfile=new File("data1.txt");

try {

if(myfile.createNewFile()){

System.out.println("file created succesfully");

}

else {

System.out.println("file creation error");

}

}

catch(IOException ex) {

System.out.println("file error");

} } }

Output:

File created successfully

//Write a file

package Pi;

import java.io.FileWriter;

import java.io.IOException;

public class FileWrite {

public static void main(String[] args) {

String data="101,hema,andhra,india.";

try {

FileWriter output=new FileWriter("data1.txt");

output.write(data);

System.out.println("data is written successfully");

output.close();

System.out.println("hi");

}catch(IOException ex) {

System.out.println("file write error");

}

}

}

Output:

data is written successfully

hi

//Read a file

package Pi;

import java.io.FileReader;

import java.io.IOException;

public class FileRead {

public static void main(String[] args) {

char[] data=new char[100];

try {

FileReader input=new FileReader("data1.txt");

input.read(data);

System.out.println("data received");

System.out.println(data);

input.close();

}catch(IOException ex) {

System.out.println("file read error");

}

}

}

Output:

data received

101,hema,andhra,india.

//Append a file

package Pi;

import java.io.FileWriter;

import java.io.IOException;

public class FileAppend {

public static void main(String[] args) {

String data="this data is appended...";

try {

System.out.println(data);

FileWriter append=new FileWriter("data1.txt",true);

append.write(data);

System.out.println("data appended successfully");

append.close();

}catch(IOException ex){

System.out.println("file append error");

}

}

}

Output:

this data is appended...

data appended successfully

//delete a file

**package** Pi;

**import** java.io.File;

**public** **class** DeleteFile {

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

File myfile = **new** File("data1.txt");

**if** (myfile.delete()) {

System.***out***.println("file"+myfile.getName()+"is deleted successfully");

}

**else** {

System.***out***.println("not deleted error file");

}

}

}

Output:

filedata1.txtis deleted successfully