# Program:

package filehandling;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.Scanner;

public class FileHandling

{

static String dir="";

static FileOperations Q =new FileOperations();

static Scanner in=new Scanner(System.in);

static FileHandling N=new FileHandling();

public static void main(String[] args)

{

int t=1;

do

{

try{

System.out.println("\n-------------------------------------");

System.out.println("Enter Your Choices");

System.out.println("1.Create File\n2.Browse & Select a File\n3.Select File using Directory\n4.Exit");

switch(in.nextInt())

{

case 1:

Q.GetDIR();

Q.CreateFile();

if(Q.p==1)

N.Operations();

break;

case 2:

Q.Search();

N.Operations();

break;

case 3:

Q.GetDIR();

Q.CheckFile();

N.Operations();

break;

case 4:

t=0;

break;

default:

System.out.println("Invalid Input! Try Agagin...");

}

}

catch(Exception e)

{

System.out.println(e+"Exception Handled! Try Again");

}

}while(t==1);

}

void Operations() throws IOException

{

int t=1;

FileHandling.dir=FileOperations.dir;

if(new File(dir).exists()&&dir.endsWith(".txt"))

{

do

{

try

{

System.out.println("\n1.Add Text 2.Flush\n3.Display 4.Rename\n5.Delete File 6.Go Back");

switch(in.nextInt())

{

case 1:

Q.AddText();

break;

case 2:

Q.Flush();

break;

case 3:

Q.Display();

break;

case 4:

Q.Rename();

break;

case 5:

Q.Delete();

if(!new File(dir).exists())

t=0;

break;

case 6:

t=0;

break;

default:

System.out.println("Invalid Option");

break;

}

}

catch (FileNotFoundException ex)

{

System.out.println(ex+" Exception handled");

}

}while(t==1);

}

}

}

class FileOperations

{

FileHandling N=new FileHandling();

static String dir="";

Scanner in=new Scanner(System.in);

int p=1;

void CreateFile()

{

p=1;

try

{

if(new File(dir).exists()==false&&dir.endsWith(".txt"))

{

new File(dir).createNewFile();

System.out.println("File Created");

}

else if(new File(dir).isFile()==true&&dir.endsWith(".txt"))

{

System.out.println("\nFile Already Exists!\n1.Overwrite\n2.Go Back");

switch(in.nextInt())

{

case 1:

new File(dir).delete();

new File(dir).createNewFile();

System.out.println("Overwritten");

N.Operations();

case 2:

p=0;

break;

default:

System.out.println("Inavalid Option");

break;

}

}

}

catch(IOException e)

{

System.out.println(e+"Exception Handled");

}

}

void CheckFile()

{

if(new File(dir).exists()&&dir.endsWith(".txt"))

System.out.println("File Selected");

else if(dir.endsWith(".txt"))

System.out.println("File Not Found");

}

void GetDIR()

{

dir="";

System.out.println("1.Specific Location 2.Desktop");

try

{

switch(in.nextInt())

{

case 1:

dir="";

System.out.println("\nEnter Directory Without Filename");

dir=in.next();

break;

case 2:

dir="C:/Users/William Scott/Desktop/";

break;

default:

System.out.println("Invalid Input");

break;

}

if(new File(dir).isDirectory()&&dir.endsWith("/"))

{

System.out.println("\nEnter File Name");

dir+=in.next()+".txt";

}

else

System.out.println("Invalid Directory! Try Again...");

}

catch(Exception e)

{

System.out.println("\n"+e);

}

}

void Delete()

{

if(new File(dir).delete())

System.out.println("File Deleted");

else

System.out.println("Cannot be Deleted");

}

void Search()

{

System.out.println("\nNote: Press exit to stop Browsing");

int tr=1,d;

dir="";

String t=null,yu="";

System.out.println("\nEnter Your Directory\nc: d: e: f:");

do

{

System.out.println("");

t=in.next();

if(!t.equals("exit"))

System.out.println("Selected "+new File(dir).getName());

else

System.out.println("Selected "+t);

dir+=t;

if(dir.endsWith(".txt")||t.equals("exit"))

tr=0;

else

{

dir+="/";

File temp[]=new File(dir).listFiles();

for(File s:temp)

if(!s.isHidden())

System.out.println(s);

}

}while(!t.equals("exit")&&tr==1);

}

void AddText() throws IOException

{

FileWriter fw = new FileWriter(dir,true);

PrintWriter pw = new PrintWriter(fw);

System.out.println("\nNote:To Exit Editor Type exit\n");

try

{

int t=1;

String text="";

System.out.println("Enter Text To Add\n");

do

{

text=in.nextLine();

if(text.endsWith("exit"))

{

t=0;

pw.close();

}

else

pw.println(text);

}while(t==1);

}

catch (Exception ex)

{

System.out.println(ex+"Exeption Handled");

}

finally

{

pw.close();

}

}

void Flush()

{

PrintWriter pw = null;

try

{

pw = new PrintWriter(new File(dir));

pw.print("");

pw.close();

System.out.println(new File(dir).getName()+" is Flushed");

}

catch (FileNotFoundException ex)

{

System.out.println(ex+" Exception Caught");

}

finally

{

pw.close();

}

}

void Display() throws FileNotFoundException, IOException

{

BufferedReader br=new BufferedReader(new FileReader(dir));

try

{

String line = null;

System.out.println("\nText in File:");

while((line=br.readLine())!=null)

System.out.println(line);

br.close();

}

catch (IOException ex)

{

System.out.println(ex+" Exception Caught");

}finally

{

br.close();

}

}

void Rename()

{

int d;

System.out.println("Enter Name");

d=dir.length()-new File(dir).getName().length();

File old = new File(dir);

dir=dir.substring(0,d)+in.next()+".txt";

File changed = new File(dir);

if(old.renameTo(changed))

System.out.println("File Renamed");

else

System.out.println("Unable to Rename");

}

}

# Output:

-------------------------------------

Enter Your Choices

1.Create File

2.Browse & Select a File

3.Select File using Directory

4.Exit

1

1.Specific Location 2.Desktop

1

Enter Directory Without Filename

d:/

Enter File Name

sample

File Created

1.Add Text 2.Flush

3.Display 4.Rename

5.Delete File 6.Go Back

1

Note:To Exit Editor Type exit

Enter Text To Add

this is just a sample

and i should press exit to stop input

exit

1.Add Text 2.Flush

3.Display 4.Rename

5.Delete File 6.Go Back

3

Text in File:

this is just a sample

and i should press exit to stop input

1.Add Text 2.Flush

3.Display 4.Rename

5.Delete File 6.Go Back

6

-------------------------------------

Enter Your Choices

1.Create File

2.Browse & Select a File

3.Select File using Directory

4.Exit

2

Note: Press exit to stop Browsing

Enter Your Directory

c: d: e: f:

d:

Selected

d:\jv.txt

d:\sample.txt

sample.txt

Selected

1.Add Text 2.Flush

3.Display 4.Rename

5.Delete File 6.Go Back

3

Text in File:

this is just a sample

and i should press exit to stop input

1.Add Text 2.Flush

3.Display 4.Rename

5.Delete File 6.Go Back

6

-------------------------------------

Enter Your Choices

1.Create File

2.Browse & Select a File

3.Select File using Directory

4.Exit

4

BUILD SUCCESSFUL (total time: 1 minute 4 seconds)