package com;

import java.io.\*;

import java.util.Scanner;

import java.io.IOException;

public class phase1-finalproject{

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

{

Scanner sc = new Scanner(System.in);

int choice,Fchoice,OPchoice,fc=0,j, count=0;

String st;

File mFolder =new File("D:\\Files");

mFolder.mkdir();

String location = "D:\\Files";

System.out.println("Welcome to Virtual Key for Repositories in JAVA\n\n");

System.out.println("Press Enter to continue...");

System.in.read();

System.out.print("\u000C"); {

choice=0;

System.out.println("MAIN MENU");

System.out.println("Select the Options Given Below:");

System.out.println("1. Retrieve All Files inside Main Folder");

System.out.println("2. Perform File Operations");

System.out.println("3. Exit\n");

choice= sc.nextInt();

switch(choice) {

case 1:

File Fobj = new File("D:\\Files");

File java[] = Fobj.listFiles();

for(int i=0;i<java.length;i++) {

if(java[i].isFile()) {

System.out.println("File: "+java[i] +"\n\n");

}

else if(java[i].isDirectory()) {

System.out.println("Folder: "+java[i]+"\n\n");

}

}

break;

case 2:

do {

count=0;

System.out.print("\u000C");

System.out.println("FOLDER/FILE OPERATION SECTION");

System.out.println("Select the Options Given Below:");

System.out.println("1. Add File/Folder");

System.out.println("2. Delete File/Folder");

System.out.println("3. Search File/Folder");

System.out.println("4. Goback Main Menu");

System.out.println("5. Exit\n");

Fchoice= sc.nextInt();

switch(Fchoice) {

case 1:

System.out.println("Want to add File or Folder?");

System.out.println("Press 1 for Folder, Press 2 for File:");

OPchoice= sc.nextInt();

switch(OPchoice) {

case 1:

System.out.println("Please Enter the Folder name");

String str1 = sc.next();

File addfolder = new File(location+"\\"+str1);

if(addfolder.exists()) {

System.out.println("Already exits !! Please Enter Again\n");

}

else {

addfolder.mkdir();

System.out.println("!!Your Folder is created!!!\n");

}

break;

case 2:

System.out.println("Please Enter the File name with extension");

String str2 = sc.next();

File addfile = new File(location+"\\"+str2);

if(addfile.exists()) {

System.out.println("Already exits !! Please Enter Again\n");

}else {

try {

addfile.createNewFile();

System.out.println("!!Your file is created!!!\n");

}catch(IOException e) {

e.printStackTrace();

}

}

break;

default:

System.out.println("Please Enter Correct Value!!!!!\n");

}

break;

case 2:

fc = 0;

System.out.println("Want to Delete File or Folder?");

System.out.println("Press 1 for Folder, Press 2 for File:");

fc = sc.nextInt();

switch(fc) {

case 1:

System.out.println("Please Enter the Folder name");

st = sc.next();

File delFolder = new File(location+"\\"+st);

if(delFolder.exists()) {

delFolder.delete();

System.out.println("Folder Deleted\n");

}

else {

System.out.println("!!Folder not Found!!!\n");

}

break;

case 2:

System.out.println("Please Enter the File name with extension");

st = sc.next();

File delFile = new File(location+"\\"+st);

if(delFile.exists()) {

delFile.delete();

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

}else {

System.out.println("!!File not Found!!!\n");

}

break;

default:

System.out.println("Please Enter Correct Value!!!!!\n");

}

break;

case 3:

System.out.println("Please Enter Name of File/Folder:");

st = sc.next();

File fsearch = new File("D:\\Files");

File abc[] = fsearch.listFiles();

for(int i=0;i<abc.length;i++) {

if(abc[i].getName().startsWith(st)) {

count++;

if(abc[i].isFile()) {

System.out.println("File: "+abc[i]+"\n\n");

}

else if(abc[i].isDirectory()) {

System.out.println("Folder: "+abc[i]+"\n\n");

}

}

}

if(count==0)

System.out.println("No Record found\n");

break;

case 4:

break;

case 5:

System.out.println("Thanks for using my application");

System.exit(1);

break;

default:

System.out.println("Wrong input");

}

System.out.println("Press Enter to continue...");

System.in.read();

}while(Fchoice!=4);

break;

case 3:

System.out.println("Thanks for using my application");

System.exit(1);

default:

System.out.println("Wrong input");

}

}while(choice!=3);

sc.close();

}

}