import java.io.File;

import java.util.Scanner;

import java.io.IOException;

public class LockMe {

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

Scanner sc =new Scanner(System.in);

while (true)

{

System.out.println("Enter\n 1. Display\n 2. Menu\n 3. Exit");

int i = sc.nextInt();

String path= "E:\\File\\";

switch (i) {

case 1:

System.out.println("Displaying all files present in path " +path);

File f=new File(path);

File filenames[] = f.listFiles();

for(File ff: filenames) {

System.out.println(ff.getName());

}

break;

case 2:

boolean x = true;

while (x) {

System.out.println("Enter SubMenu\n 1. Add\n 2. Delete\n 3. Search\n 4. Exit ");

int j=sc.nextInt();

switch(j) {

case 1:

System.out.println("Enter the file to add in the directory of "+path);

String file=sc.next();

File f1=new File(path+file); //create a new file

boolean b1=f1.createNewFile();

if(b1!=true) {

System.out.println("File not created in the path "+path);

}

else {

System.out.println("File has been created in the path "+path);

}

break;

case 2:

System.out.println("Enter the file to be deleted in the directory of "+path);

String file2=sc.next();//File

File f2=new File(path+file2); //delete a file

boolean b2=f2.delete();

if(b2==true) {

System.out.println("File has been deleted");

}

else {

System.out.println("File is not found / cannot be deleted");

}

break;

case 3:

System.out.println("Enter the file to be searched in the directory of "+path);

String file3=sc.next();

File f3=new File(path);

File filenames1[]=f3.listFiles();

int flag=0;

for(File ff: filenames1) {

if(ff.getName().equals(file3)) {

flag=1;

break;

}

else {

flag=0;

}

}

if(flag==1) {

System.out.println("The file is found");

}

else {

System.out.println("File is not found");

}

break;

case 4:{

x = false;

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

break;

}

default:

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

}

}

break;

case 3:

System.exit(0);

break;

default:

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

}

}

}

}