import java.io.DataInputStream;

import java.io.File;

import java.util.Arrays;

import java.io.FileOutputStream;

import java.util.Scanner;

import java.util.ArrayList;

import java.util.List;

import java.util.\*;

public class CreateFile {

public static void Operations () throws Exception

{

int op;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the Business operation number:\r\n"

+ "1: Option for Arrange files in Asscending order,\r\n"+ "2:Option for different file operation like create, delete, search operation");

op = sc.nextInt();

switch (op) {

case 1:

File file = new File("C:\\\\Users\\\\user\\\\eclipse-workspace\\\\File\_operations");

String[] fileList = file.list();

for(String str : fileList) {

List<String> al = new ArrayList<String>();

al = Arrays.asList(str);

for(String s: al){

}

Collections.sort(al);

System.out.println("Sorted FileList"+ " in Ascending order"+ al);

}

break;

case 2:

System.out.println("Enter the File Operation you want to perform: press 21-for Creating file,\r\n"

+ " press 22-for delete, press 23-for Search file");

int op1 = sc.nextInt();

switch (op1) {

case 21:

sc.nextLine();

System.out.println("Enter File name to be Created with filetype");

String name1=sc.nextLine();

File f1 = new File(name1);

if (f1.createNewFile()) {

System.out.println("File created: " + f1.getName());

DataInputStream dis = new DataInputStream(System.in);

FileOutputStream fos = new FileOutputStream(name1,true);

System.out.println("Enter the data in the created file");

int ch;

while((ch=dis.read()) != '\n') {

System.out.print(ch);

fos.write(ch);

}

}

else {

System.out.println("File already exists.write in existing file");

DataInputStream dis = new DataInputStream(System.in);

FileOutputStream fos = new FileOutputStream(name1,true);

System.out.println("Enter the data");

int ch;

while((ch=dis.read()) != '\n') {

System.out.print(ch);

fos.write(ch);

}

}

break;

case 22: sc.nextLine();

System.out.println("Enter File name to be deleted with filetype");

String name2=sc.nextLine();

File Obj = new File(name2);

if (Obj.delete()) {

System.out.println("Deleted the file: " + Obj.getName());

} else {

System.out.println("File Not Found so failed to delete the file.");

}

break;

case 23:

sc.nextLine();

System.out.println("Enter File name to search with filetype");

String name3=sc.nextLine();

File directory = new File("C:\\Users\\user\\eclipse-workspace\\File\_operations");

String[] flist = directory.list();

int flag = 0;

if (flist == null) {

System.out.println("Empty directory.");

}

else {

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

String filename = flist[i];

if (filename.equals(name3)) {

System.out.println(filename + " file is found");

flag = 1;

}

}

}

if (flag == 0) {

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

}

break;

}

}

}

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

Operations ();

System.out.println(" Navigate back to Main context");

System.out.println(" Closing the application....");

System.exit(0);

}}