# 第9次平时作业

package work9;  
  
import java.io.File;  
import java.io.FileReader;  
import java.io.FileWriter;  
import java.util.Scanner;  
  
/\* 引入相关包  
\* 文件操作测试类，直接在main中写\*/  
public class FileIOTest {  
 public static void main(String[] args) {  
 /\* 单纯写文件操作  
 设计交互，打印信息\*/  
 System.*out*.println("now you can enter a file name by .txt, then I will creat it");  
 Scanner myGet = new Scanner(System.*in*);  
 /\* 读取信息\*/  
 String fileName1 = myGet.nextLine();  
 System.*out*.println("I get it: "+fileName1);  
 /\* 实例化文件对象\*/  
 File file1 = new File(fileName1);  
 if(file1.exists()){  
 System.*out*.println("it has existed");  
 }  
 else {  
 /\* 异常块处理  
 \* 注意，此处默认的是文件没有创建，本地新建后写入数据\*/  
 try {  
 System.*out*.println("OK, I created it just now. Then, enter a sentence and I will write in the file1");  
 String context1 = myGet.nextLine();  
 FileWriter file1Write = new FileWriter(file1);  
 file1Write.write(context1);  
 /\* 清空缓冲区，关闭流\*/  
 file1Write.flush();  
 file1Write.close();  
 }  
 catch (Exception creatException){  
 /\* 处理异常\*/  
 System.*out*.println("can't creat this file!");  
 }  
 finally {  
 System.*out*.println("write is done");  
 }  
 }  
  
 /\* 从刚才创建的文件中读取数据，并写入新文件  
 \* 打印交互信息\*/  
 System.*out*.println("now enter another one filename with .txt");  
 String fileName2 = myGet.nextLine();  
 System.*out*.println("OK, I get it: "+fileName2);  
 File file2 = new File(fileName2);  
 if(file2.exists()){  
 System.*out*.println("it exists");  
 }  
 else {  
 /\* 异常块处理原理同上\*/  
 try {  
 file2.createNewFile();  
 /\* 创建字符读写流\*/  
 FileReader reader = new FileReader(file1);  
 FileWriter writer = new FileWriter(file2);  
 /\* 创建存储字符信息的内存块\*/  
 char [] getContext = new char[100];  
 /\* 从目标文件中读取数据，放入申请的内存块中\*/  
 reader.read(getContext);  
 /\* 关闭流\*/  
 reader.close();  
 /\* 把数据写入存储文件\*/  
 for (int i = 0 ; getContext[i] != '\0' ; i ++){  
 writer.write(getContext[i]);  
 }  
 /\* 清空缓冲区，关闭流\*/  
 writer.flush();  
 writer.close();  
 }  
 catch (Exception e){  
 /\* 同理，处理异常\*/  
 System.*out*.println("create error");  
 }  
 finally {  
 System.*out*.println("read and write are done.");  
 }  
 }  
  
 }  
}