Assignment 1

accept 10 characters from a user ( use Scanner).

store these 10 characters in a file. (FileWriter)

Now open a file and read all these characters.

import java.io.\*;

import java.util.\*;

public class Demo {

public static void main(String[] args) {

Scanner sc = new Scanner(System.***in***);

char[] arr = new char[10];

char[] arr1 = null;

System.***out***.println("Now enter 10 characters : ");

for (int i = 0; i < 10; i++) { // accepting chars from user

arr[i] = sc.next().charAt(0);

}

try (FileWriter fw = new FileWriter("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo.txt"))

{ //code to write in file

fw.write(arr);

} catch (IOException e) {

e.printStackTrace();

}

try (FileReader fr = new FileReader("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo.txt"))

{ // code to write in file

arr1 = new char[(int) new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo.txt")

.length()];

fr.read(arr1);

} catch (Exception e) {

e.printStackTrace();

}

for(int i=0;i<10;i++) { // code to display read chars

System.***out***.print(arr1[i]+" ");

}

}

}

Assignment 2

using RandomAccessFile class create a file.

accept a message from user and write in a file.

now read the message which u have stored in a file.

now again accept a message and write in a file at the end of existing message.

now read the entire content of file . ( u should be able to read both the messages now)

import java.io.\*;

import java.util.\*;

public class Demo{

public static void main(String[] args) {

try (RandomAccessFile rf = new RandomAccessFile("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo2.txt", "rw"))

{

rf.seek(rf.length());

System.***out***.println("Enter messege : ");

byte[] b = new byte[200];

int k = System.***in***.read(b);

rf.write(b,0,k);

rf.seek(0);

byte c[]=new byte[(int)rf.length()];

rf.read(c);

String ss=new String(c);

System.***out***.println(ss);

rf.seek(rf.length());

System.***out***.println("Enter messege again : ");

k=System.***in***.read(b);

rf.write(b,0,k);

System.***out***.println("reading whole file");

rf.seek(0);

c=new byte[(int)rf.length()];

rf.read(c);

ss=new String(c);

System.***out***.println(ss);

}catch(Exception e) {

e.printStackTrace();

}

}

}

Assignment 3

write a file copy program using byte streams.

( FileOutputStream and FileInputStream )

import java.io.\*;

import java.util.\*;

public class Demo{

public static void main(String[] args) {

File f = new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo2.txt");

if(!f.exists()) {

System.***out***.println("File does not exist");

System.*exit*(0);

}

File f2 = new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo3.txt");

byte[] b = new byte[(int) f.length()];

try(FileInputStream fis = new FileInputStream(f);

FileOutputStream fos = new FileOutputStream(f2))

{

fis.read(b);

System.***out***.println("Copy done");

fos.write(b);

System.***out***.println("Paste Done");

} catch (Exception e) {

e.printStackTrace();

}

}

}

Assignment 4

Write a file copy program using unicode character streams.

( FileWriter and FileReader )

import java.io.\*;

import java.util.\*;

public class Demo{

public static void main(String[] args) {

try(FileReader fr = new FileReader("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo3.txt");

FileWriter fw = new FileWriter("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo4.txt"))

{

char arr[] = new char[(int) new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\solved assignments\\demo3.txt").length()];

fr.read(arr);

System.***out***.println("Read Done");

fw.write(arr);

System.***out***.println("Write Done");

}catch(Exception e) {

e.printStackTrace();

}

}

}

Assignment 5

accept as many as numbers from user till he presses "0" and write these numbers in a file. Now Open a file and read these numbers. ( Hint :- use Scanner class for input, FileOutputStream, DataOutputStream, FileInputStream , DataInputStream)

FileInputStream fis=new FileInputStream("d:\\abc.txt");

DataInputStream dis=new DataInputStream(fis);

while(dis.available()!=0)

{

S.o.p(dis.readInt());

}

import java.io.\*;

import java.util.\*;

public class Demo{

public static void main(String[] args) {

Scanner sc = new Scanner(System.***in***);

File f = new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo5.txt");

try (FileOutputStream fos = new FileOutputStream(f);

DataOutputStream dos = new DataOutputStream(fos);

FileInputStream fis = new FileInputStream(f);

DataInputStream dis = new DataInputStream(fis)

)

{

System.***out***.println("Enter numbers ; 0 for stopping :");

while (true) {

int num = sc.nextInt();

if (num == 0) break;

dos.writeInt(num);

}

System.***out***.println("Write Done");

System.***out***.println("Now numbers read from file:");

while (dis.available() > 0) {

System.***out***.println(dis.readInt());

}

}catch(Exception e) {

}

}

}

File Copy Assignment

write a file copy program using FileInputStream and FileOutputStream

hint: existing file u need to open using FileInputStream and new file u need

to open using FileOutputStream.

first read existing file's data inside byte array and then write the same

byte array inside new file.

byte array should be created equivalent to the length of existing file.

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.File;

public class Demo {

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

File f = new File("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo5.txt");

FileInputStream fis = new FileInputStream(f);

FileOutputStream fos = new FileOutputStream("D:\\cdac\\Java\\JavaSE\_Day\_9\\File\_Handling\\Assignments\\demo6.txt");

byte[] data = new byte[(int) f.length()];

fis.read(data);

fos.write(data);

fis.close();

fos.close();

System.***out***.println("File copied.");

}

}