**ASSIGNMENT – 13**

**Session 1**

1. Create a class name Demo, create a file.

**package** my.Files;

**import** java.io.File;

**import** java.io.IOException;

**public** **class** demo {

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

File f=**new** File("demo.txt");

f.createNewFile();

System.***out***.println("File is Created...");

}

}

OUTPUT:

File is Created...

1. create a class and add file and folder into the project.

**package my.Files;**

**import java.io.File;**

**import java.io.IOException;**

**public class demo {**

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

**File f=new File("demo.txt");**

**File f1 =new File("Niharika");**

**f.createNewFile();**

**Boolean b=f1.mkdir();**

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

**System.out.println("File is Created...");**

**System.out.println("Folder is Created....");**

**}**

**}**

OUTPUT:

true

File is Created...

Folder is Created....

1. create a class and write the information by using File Writer.

**package** my.Files;

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** filewriter {

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

FileWriter fw=**new** FileWriter("demo.txt");

fw.write("Hello ");

fw.write("Welcome ");

fw.write("to ");

fw.write("the ");

fw.write("Java ");

fw.write("World ");

fw.write(102);

fw.close();

System.***out***.println("Data is inserted in file writer....");

}

}

OUTPUT:

Data is inserted in file writer....

IN FILE:

Hello Welcome to the Java World f

1. create a class and write the information by using Buffered Writer.

**package** my.Files;

**import** java.io.BufferedWriter;

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** bufferwriter {

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

FileWriter fw=**new** FileWriter("Demo.txt");

BufferedWriter bw =**new** BufferedWriter(fw);

bw.write("Hi ");

bw.write("I ");

bw.write("am ");

bw.write("Niharika ");

bw.write(107);

bw.write(97);

bw.close();

System.***out***.println("Data is inserted in Buffer Writer...");

}

}

OUTPUT:

Data is inserted in Buffer Write...

In File:

Hi I am Niharika ka

1. create a class and write the information by using Print Writer.

**package** my.Files;

**import** java.io.PrintWriter;

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** printwriter {

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

FileWriter fw=**new** FileWriter("Demo.txt");

PrintWriter pw = **new** PrintWriter(fw);

pw.println("Bonjour");

pw.println("Bienvenue ");

pw.println("tout ");

pw.println('a');

pw.println("La France");

pw.close();

System.***out***.println("Data is inserted in Print Writer...");

}

}

OUTPUT:

Data is inserted in Print Writer...

IN FILE:

Bonjour

Bienvenue

tout

a

La France

1. create a class and read the information by using File Reader.

**package** my.Files;

**import** java.io.FileNotFoundException;

**import** java.io.FileReader;

**import** java.io.IOException;

**public** **class** filereader {

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

FileReader f= **new** FileReader("demo.txt");

**while**(f.read()!=-1) {

**char** c= (**char**) f.read();

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

}

}

}

OUTPUT:

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Data read by File Reader

1. create a class and read the information by using Buffered Reader.

**package** my.Files;

**import** java.io.BufferedReader;

**import** java.io.FileNotFoundException;

**import** java.io.FileReader;

**import** java.io.IOException;

**public** **class** Bufferreader {

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

FileReader f=**new** FileReader("demo.txt");

BufferedReader br=**new** BufferedReader(f);

String data=br.readLine();

**while**(data!=**null**) {

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

data=br.readLine();

}

}

}

OUTPUT:

Bonjour

Bienvenue

tout

a

La France

**session 2**

1. create a class ArrayList apply without generics.

**package** my.collections;

**import** java.util.ArrayList;

**public** **class** Arraylist {

**public** **static** **void** main(String[] args) {

ArrayList l1=**new** ArrayList();

l1.add(123);

l1.add("niharika");

l1.add(**new** ~~Integer~~(38));

l1.add(40.05f);

l1.add(**new** ~~Boolean~~(**false**));

System.***out***.println("Array List is .....");

System.***out***.println("Values are:"+l1);

}

}

OUTPUT:

Array List is .....

Values are:[123, niharika, 38, 40.05, false]

2.create a class LinkedList apply with generics.

**package** my.collections;

**import** java.util.LinkedList;

**public** **class** Linkedlist {

**public** **static** **void** main(String[] args) {

LinkedList<String> l= **new** LinkedList();

l.add("aman");

l.add("niharika");

l.add("Manish");

l.add("Dev");

l.add("Mansi");

l.add("Riya");

System.***out***.println("Linked List is ....");

System.***out***.println("Values are:"+l);

}

}

OUTPUT:

Linked List is ....

Values are:[aman, niharika, Manish, Dev, Mansi, Riya]