**Session - 1**

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

**Code:**

**import** java.io.File;

**import** java.io.IOException;

**public** **class** Demo {

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

File f = **new** File("Sweety.text");

f.createNewFile();

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

}

}

**Output:**

File is created

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

**Code:**

**import** java.io.File;

**import** java.io.IOException;

**public** **class** Demo {

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

File f = **new** File("Sweety.text");

File fl = **new** File("Jain");

f.createNewFile();

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

fl.mkdir();

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

}

}

**Output:**

File is created

Folder is created

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

**Code:**

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** FileWriterEx {

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

FileWriter fw = **new** FileWriter("Sweety.text");

fw.write("robert");

fw.write("Einstein");

fw.write(23);

fw.write(89);

fw.write('s');

fw.close();

System.***out***.println("Values is inserted");

}

}

**Output:**

Values is inserted

**Sweety.Text** - robertEinstein\_Ys

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

**Code:**

**import** java.io.BufferedWriter;

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** BufferedWriterEx {

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

FileWriter fw = **new** FileWriter("Sweety.text");

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

bw.write("robert");

bw.write("Einstein");

bw.write(23);

bw.write(89);

bw.write('s');

bw.close();

System.***out***.println("BufferedWriter");

System.***out***.println("Values is inserted");

}

}

**Output:**

BufferedWriter

Values is inserted

**Sweety.Text -** robertEinstein\_Ys

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

**Code:**

**import** java.io.PrintWriter;

**import** java.io.FileWriter;

**import** java.io.IOException;

**public** **class** PrintWriterEx {

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

FileWriter fw = **new** FileWriter("Sweety.text");

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

pw.println("robert");

pw.println("Einstein");

pw.println(23);

pw.println(89);

pw.println('s');

pw.close();

System.***out***.println("PrintWriter");

System.***out***.println("Values is inserted");

}

}

**Output:**

PrintWriter

Values is inserted

**Sweety.Text -** robert

Einstein

23

89

s

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

**Code:**

**import** java.io.FileReader;

**import** java.io.IOException;

**public** **class** FileReaderEx {

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

FileReader f = **new** FileReader("Sweety.text");

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

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

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

}

}

}

**Output:**

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

**Code:**

**import** java.io.BufferedReader;

**import** java.io.FileReader;

**import** java.io.IOException;

**public** **class** BufferReaderEx {

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

FileReader f = **new** FileReader("Sweety.text");

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

String data=b.readLine();

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

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

data=b.readLine();

}

}

}

**Output:**

robert

Einstein

23

89

s

**Session - 2**

1. **create a class ArrayList apply without generics.**

**Code:**

**package** com.ia.collection;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**public** **class** ArrayListEx {

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

ArrayList obj = **new** ArrayList();

obj.add(68);

obj.add(**false**);

obj.add(**null**);

obj.add(45.0f);

obj.add("sj");

Iterator itr = obj.iterator();

**while**(itr.hasNext()) {

System.***out***.print(itr.next()+" ");

}

}

}

**Output:**

68 false null 45.0 sj

1. **create a class LinkedList apply with generics.**

**Code:**

**package** com.ia.collection;

**import** java.util.Iterator;

**import** java.util.LinkedList;

**public** **class** LinkedList1 {

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

LinkedList<Number> obj = **new** LinkedList<Number>();

obj.add(68);

obj.add(89.0f);

obj.add(**null**);

obj.add(45.0f);

obj.add(78.00);

Iterator itr = obj.iterator();

**while**(itr.hasNext()) {

System.***out***.print(itr.next()+" ");

}

}

}

**Output:**

68 89.0 null 45.0 78.0