

Course Name: A Level (2nd Sem)
Topic : I/O Package in Java(part 1..)

Subject: JAVA
Date: 13-05-20

We will cover some important classes of java.io package.

1)How to create a File in Java using File:

```
import java.io.File;
import java.io.IOException;
public class CreateFile{
    public static void main( String[] args ){
        try {
            File file = new File("d:\\ab.txt");
            boolean fvar = file.createNewFile();
            if (fvar){
                System.out.println("File created successfully");
            }
            else{
                System.out.println("File already available at the location");
            }
        } catch (IOException e) {
            System.out.println("Exception Occurred:");
            e.printStackTrace();
        }
    }
}
```

New file will be created in "D"
drive having name "ab"

2)Read File using:

```
import java.io.*;
public class ReadFile {
    static String FILENAME = "D:\\Q.java";
    public static void main(String[] args) {

        try (BufferedReader br = new BufferedReader(new FileReader(FILENAME))) {
            String sCurrentLine;
            while ((sCurrentLine = br.readLine()) != null) {
                System.out.println(sCurrentLine);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }

    }
}
```

It will show the contents of
Q.java

3) Write to file using BufferedWriter:

```
public class Writefile {
    public static void main(String[] args) {
        BufferedWriter bw = null;
        try {
            String mycontent = "java class";
            File file = new File("d:/ab.txt");
            if (!file.exists()) {
                file.createNewFile();
            }
            FileWriter fw = new FileWriter(file);
            bw = new BufferedWriter(fw);
            bw.write(mycontent);
            System.out.println("File written Successfully");
        } catch (IOException ioe) {
            ioe.printStackTrace();
        } finally
        {
            try{
                if(bw!=null)
                    bw.close();
            } catch (Exception ex){
                System.out.println("Error in closing the BufferedWriter"+ex);
            }
        }
    }
}
```

String "java class"

Here, a file ab.txt will be created having string "java class"

4) Write to file using FileOutputStream:

```
import java.io.FileOutputStream;
public class FileOutput1 {
    public static void main(String args[]) {
        try {
            FileOutputStream fout = new FileOutputStream("D:\\ab.txt");
            String s = "NIELIT JAVA.";
            byte b[] = s.getBytes();
            fout.write(b);
            fout.close();
            System.out.println("File created with string...");
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

String converted into byte

Connection closed