

Experiment 05: JAVA WRITE TO FILE

Learning Objective: Student should be able to write to file using Java file writer

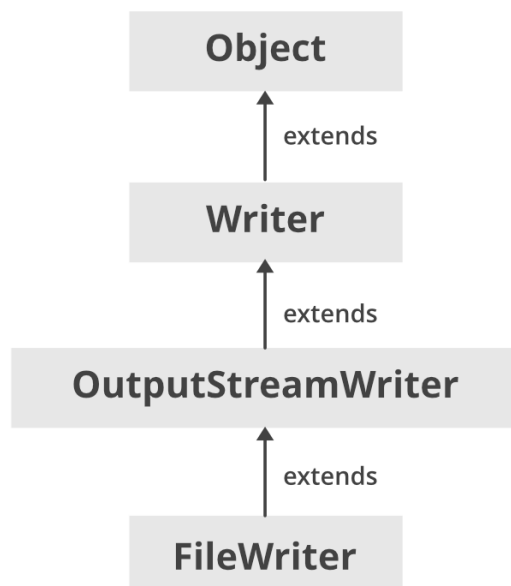
Tools: Java Development Kit, Text Editor

Theory

Java FileWriter class of java.io package is used to write **data in character** form to file. Java FileWriter class is used to write character-oriented data to a file. It is a character-oriented class that is used for file handling in java.

- This class inherits from [OutputStreamWriter class](#) which in turn inherits from the Writer class.
- The constructors of this class assume that the default character encoding and the default byte-buffer size are acceptable. To specify these values yourself, construct an OutputStreamWriter on a [FileOutputStream](#).
- FileWriter is meant for writing streams of characters. For writing streams of raw bytes, consider using a FileOutputStream.
- FileWriter creates the output file if it is not present already.

Hierarchy of Java FileWriter Class

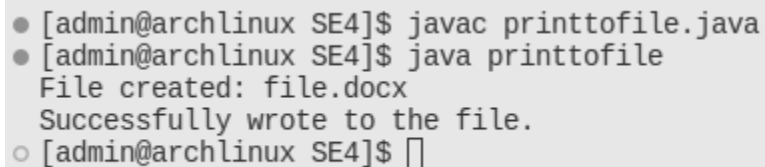


IMPLEMENTATION

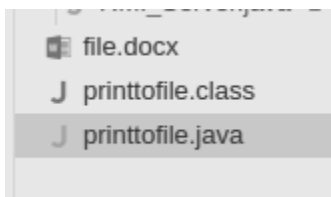
```
import java.io.File; // Import the File class
import java.io.FileWriter;
import java.io.IOException; // Import the IOException class to handle errors

public class printtofile {
    public static void main(String[] args) {
        try {
            File myObj = new File("./file.docx");
            if (myObj.createNewFile()) {
                System.out.println("File created: " + myObj.getName());
            } else {
                System.out.println("File already exists.");
            }
            FileWriter myWriter = new FileWriter(myObj);
            myWriter.write("Hello! How are you today?");
            myWriter.close();
            System.out.println("Successfully wrote to the file.");
        } catch (IOException e) {
            System.out.println("An error occurred.");
            e.printStackTrace();
        }
    }
}
```

OUTPUT



```
● [admin@archlinux SE4]$ javac printtofile.java
● [admin@archlinux SE4]$ java printtofile
File created: file.docx
Successfully wrote to the file.
○ [admin@archlinux SE4]$
```



Conclusion: Java file writer program was implemented to write a file to disk from a java application

For Faculty Use

| Correction Parameters | Formative Assessment [40%] | Timely completion of Practical [40%] | Attendance / Learning Attitude [20%] | |
|-----------------------|----------------------------|---------------------------------------|--------------------------------------|--|
| Marks Obtained | | | | |

