

# Input Streams

```
import java.io.FileInputStream;
import java.io.IOException;

public class ReadFileExample {
    public static void main(String[] args) {
        FileInputStream inputStream = null;

        try {
            inputStream = new FileInputStream("example.txt");
            int data;

            while ((data = inputStream.read()) != -1) {
                // Convert each byte of data to a character and print it
                System.out.print((char) data);
            }
        } catch (IOException e) {
            e.printStackTrace();
        } finally {
            if (inputStream != null) {
                try {
                    inputStream.close();
                } catch (IOException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}
```

# Output Streams

```
import java.io.PrintWriter;
import java.io.FileNotFoundException;

public class WriteFileExample {
    public static void main(String[] args) {
        PrintWriter outputStream = null;
        try {
            outputStream = new PrintWriter("output.txt");
            // Write formatted text to the file
            outputStream.println("Hello, world!");
            outputStream.println("This is a test of PrintWriter.");
        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } finally {
            if (outputStream != null) {
                outputStream.close();
            }
        }
    }
}
```