

Sample Code on Stream Tokenizer

```
import java.io.*;

public class StreamTokenizerDemo {

    public static void main(String[] args) {

        String text = "Hello. This is a text \n that will be split "+ "into tokens. 1+1=2";

        try {

            // create a new file with an ObjectOutputStream
            FileOutputStream out = new FileOutputStream("test.txt");
            ObjectOutputStream oout = new ObjectOutputStream(out);

            // write something in the file
            oout.writeUTF(text);
            oout.flush();

            // create an ObjectInputStream for the file we created before
            ObjectInputStream ois =
                new ObjectInputStream(new FileInputStream("test.txt"));

            // create a new tokenizer
            Reader r = new BufferedReader(new InputStreamReader(ois));
            StreamTokenizer st = new StreamTokenizer(r);

            // set \n as an ordinary char
            st.ordinaryChar('\n');
```

```
st.quoteChar('o');
```

```
// print the stream tokens
```

```
boolean eof = false;
```

```
do {
```

```
    int token = st.nextToken();
```

```
    switch (token) {
```

```
        case StreamTokenizer.TT_EOF:
```

```
            System.out.println("End of File encountered.");
```

```
            eof = true;
```

```
            break;
```

```
        case StreamTokenizer.TT_EOL:
```

```
            System.out.println("End of Line encountered.");
```

```
            break;
```

```
        case StreamTokenizer.TT_WORD:
```

```
            System.out.println("Word: " + st.sval);
```

```
            break;
```

```
        case StreamTokenizer.TT_NUMBER:
```

```
            System.out.println("Number: " + st.nval);
```

```
            break;
```

```
        default:
```

```
            System.out.println((char) token + " encountered.");
```

```
            if (token == '!') {
```

```
                eof = true;
```

```
            }
```

```
    }
```

```
} while (!eof);
```

```
    } catch (Exception ex) {  
        ex.printStackTrace();  
    }  
}  
}
```