

```

1  package team.FixIt;
2
3  import java.io.BufferedWriter;
4  import java.io.File;
5  import java.io.FileWriter;
6  import java.io.IOException;
7
8  public class logger
9  {
10     →private boolean appendMode = true;
11     →/**
12     ..... * Use BufferedWriter when number of write operations are more
13     ..... * It uses internal buffer to reduce real IO operations and saves time
14     ..... * @param data
15     ..... * @param numOfLines
16     →..... * @throws IOException
17     ..... */
18     .....private static void writeUsingBufferedWriter (String data, int numOfLines,
19     .....boolean appendMode)
20     .....{
21     →.....FileWriter fW = null;
22     →.....BufferedWriter bW = null;
23     →.....try
24     .....→{
25     .....→.....String time = common.getDateAndTime();
26     .....→.....File file = new File(common.LOGS + "/Log" + time + ".txt");
27     .....→.....if (!file.exists())
28     .....→.....{
29     .....→.....→.....file.createNewFile();
30     .....→.....}
31     .....→.....String dataWithNewLine = data + System.getProperty("line.separator");
32     .....→.....fW = new FileWriter(file, appendMode);
33     .....→.....bW = new BufferedWriter(fW);
34     .....→.....for(int i = numOfLines; i > 0; i--)
35     .....→.....{
36     .....→.....→.....bW.write(dataWithNewLine);
37     .....→.....}
38     .....→.....bW.write(data);
39     .....→.....}
40     .....→.....catch (IOException e)
41     .....→.....{
42     .....→.....→.....e.printStackTrace();
43     .....→.....→.....System.out.println("Logging has failures in writing to the file");
44     .....→.....}
45     .....→.....finally
46     .....→.....{
47     .....→.....→.....try
48     .....→.....→.....{
49     .....→.....→.....→.....bW.close();
50     .....→.....→.....→.....fW.close();
51     .....→.....→.....}
52     .....→.....→.....catch (IOException e)
53     .....→.....→.....{
54     .....→.....→.....→.....e.printStackTrace();
55     .....→.....→.....}
56     .....→.....}
57     .....}
58     .....public void logMessageAdd(String data, int numOfLines)
59     .....{
60     .....→.....writeUsingBufferedWriter (data, numOfLines, appendMode);
61     .....}
62 }
63

```