

```

1 package lt.vtvpmc.ems.aidas;
2 /*
3     log4j --> log4j2, j.u.l., logback, slf4j
4     log4j: ALL, TRACE, DEBUG, INFO, WARN, ERROR, FATAL, OFF; // cia yra lygiai
5
6     */
7
8 import org.slf4j.Logger;
9 import org.slf4j.LoggerFactory;
10
11 import java.io.File;
12 import java.io.IOException;
13
14 public class JavaLogging {
15
16     //'prisukam' logeri:
17     private final static Logger logger = LoggerFactory.getLogger(JavaLogging.class);
18
19     public static void main(String[] args) throws IOException{
20
21         logger.trace("Message from TRACE level");
22         logger.info("Message from INFO level");
23         logger.error("Message from ERROR level");
24
25         createNewFile();
26         createNewDirectory();
27         createNewDirectories();
28         createTempFile();
29         renameFile();
30         deleteFile();
31     }
32
33     private static void createNewFile() throws IOException {
34         try {

```

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35     File file = new File("test.txt"); //naujo objekto sukurimas
36     // veliau ivedam nesama direktorija homeris

    ir meta 'No such file or directory' - isisaiskinti kodel ?
37     boolean bool = file.createNewFile(); //naujo failo sukurimas
38     System.out.println("File created: " + bool);
39     } catch (NullPointerException e) {
40         //System.out.println("null" + e); //parodo kuris exception meta klaida
41         e.printStackTrace(); //parodo klaidos atsiradimo kelias
42     } catch (IOException e) {
43         //System.out.println("io " + e); // parodo kuris exception meta klaida
44         e.printStackTrace(); // versija su starcTrace
45         logger.error("Sukuriant faila iskilo problemu" + e); //versija su logging
46     }
47 }
48
49 private static void createNewDirectory() throws IOException {
50     File file = new File("Java"); //naujo objekto sukurimas
51     boolean bool = file.mkdirs(); //naujos direktorijos sukurimas
52     System.out.println("Directory created: " + bool);
53 }
54
55 private static void createNewDirectories() throws IOException {
56     File file = new File("Java/Collections/List"); //naujo objekto sukurimas
57     boolean bool = file.mkdir(); //nauju direktoriju sukurimas
58     System.out.println("Directories created: " + bool);
59 }
60
61 private static void createTempFile() throws IOException {
62     File tempFile = File.createTempFile("tmp", ".tmp");
63     System.out.println("File path: " + tempFile.getAbsolutePath());
64     tempFile = File.createTempFile("tmp", null); //pakartota iliustravimui kad jei null vistiek sukuria
    tmp (zr. kode)
65     System.out.println("File path: " + tempFile.getAbsolutePath());
66 }

```

```
67
68 private static void renameFile() throws IOException {
69     File selectedFile = new File("test.txt");
70     selectedFile.renameTo(new File ("new_test.txt"));
71 }
72
73 private static void deleteFile() throws IOException {
74     File selectedFile = new File("new_test.txt");
75     selectedFile.delete();
76     System.out.println("File deleted: ");
77 }
78
79 }
80
```