

```
1 package app;
2
3 import java.time.LocalDate;
4
5 import inout.In;
6 import inout.Out;
7 import manager.TODOManager;
8 import todo.TODOEntry;
9
10 public class App {
11
12     public static void main(String[] args) throws Exception {
13         TODOManager manager = new TODOManager();
14         In.open("/Users/floriandaniel/Documents/JKU/Software Entwicklung
2/Uebung_01/TODOManager/todos.txt");
15         if (!In.done()) {
16             Out.println("Cannot open file todos.txt");
17             return;
18         }
19
20         int year = In.readInt();
21         while (In.done()) {
22             int month = In.readInt();
23             int day = In.readInt();
24             String descr = In.readString();
25             System.out.println(LocalDate.of(year, month, day));
26             TODOEntry newEntry = new TODOEntry(manager.getNewId(), descr,
LocalDate.of(year, month, day), Status.OPEN);
27             manager.add(newEntry);
28
29             year = In.readInt();
30
31         }
32
33         In.close();
34
35         Out.println();
36         Out.println("All Todos:");
37         Out.println("=====");
38         TODOEntry[] allEntries;
39         allEntries = manager.get(null, null);
40         for (int i = 0; i < allEntries.length; i++) {
41             System.out.println(allEntries[i]);
42         }
43
44         Out.println();
45         Out.println("Until March 9:");
46         Out.println("=====");
47
48         allEntries = manager.get(LocalDate.of(2020, 3, 9), null);
49         for (int i = 0; i < allEntries.length; i++) {
50             System.out.println(allEntries[i]);
51         }
52
53         manager.findById(0).complete();
54         manager.findById(1).complete();
55         manager.findById(2).complete();
56
57         Out.println();
58         Out.println("Done:");
```

```
59 Out.println("=====");
60 allEntries = manager.get(null, Status.DONE);
61 for (int i = 0; i < allEntries.length; i++) {
62     System.out.println(allEntries[i]);
63 }
64
65 Out.println();
66 Out.println("Still open:");
67 Out.println("=====");
68 allEntries = manager.get(null, Status.OPEN);
69 for (int i = 0; i < allEntries.length; i++) {
70     System.out.println(allEntries[i]);
71 }
72
73 Out.println();
74 Out.println("Still open until Until March 9:");
75 Out.println("=====");
76 allEntries = manager.get(LocalDate.of(2020, 3, 9), Status.OPEN);
77 for (int i = 0; i < allEntries.length; i++) {
78     System.out.println(allEntries[i]);
79 }
80
81 manager.removeUntil(LocalDate.of(2020, 3, 9));
82
83 Out.println();
84 Out.println("Remaining items after deletion until 2020-03-09");
85 Out.println("=====");
86 allEntries = manager.get(null, null);
87 for (int i = 0; i < allEntries.length; i++) {
88     System.out.println(allEntries[i]);
89 }
90 }
91 }
```