

Listing 1: Todo.java

```
1  import java.time.LocalDate;

   public class Todo {

5     private static int idCounter = 0;
     private final int id;
     private String description;
     private LocalDate dueDate;
     private Status status;

10    public Todo(String description, LocalDate dueDate) {
        this.id = idCounter++;
        this.description = description;
        this.dueDate = dueDate;
        this.status = Status.OPEN;

15    }

     public int getId() {
         return id;

20    }

     public String getDescription() {
         return description;

25    }

     public LocalDate getDueDate() {
         return dueDate;

30    }

     public Status getStatus() {
         return status;
     }
     public void complete() {
         this.status = Status.DONE;

35    }

     @Override
     public String toString() {
         return String.format("%d: %s - %s: %s", id, dueDate, description, status);

40    }
}
```