Exercises:

- 1. In an earlier exercise, we had to add a ctor to *Date*, that allows the caller to specify, that each access and each modification of the encapsulated field should be logged to the console. Our new task is to radically extend this behavior: the user should be able to pass an object to the ctor, which itself acts as a target for those log-calls. Implement this in a way, so that we can pass objects to log to the console, to a file and to any other target we might have in future! Tip: use an interface to implement this idea. Clearly document how it works! Also add unit tests!
- 2. Implement a decorator for *Date*, which is able to do the same as in (1). What are the benefits of the decorator pattern in comparison to the solution in (1)?
- 3. The types *RealNumber* and *ComplexNumber* can modeled with LSP in mind. Explain this idea, also explain, how it hurts the DIP.

Remarks:

As always.