Programming Exercises - SDJ - Session 14

Exercise 14.01

Implement a class `Car` holding information of a car. The class should have:

a) 5 instance variables: `make, model, color, licenseNumber` (all of type `String`) and `year` (of type `int`).
b) A 5-argument constructor setting all instance variables to values passed as arguments.
c) A 4-argument constructor with `make, model, color,` and `year` as arguments. The instance variable `licenseNumber` should be set to some value indicating that the car has no licence number.
d) Get-methods for all instance variables.
e) Set methods for `color` and `licenseNumber`.
f) A method called `copy` that returns a reference to a `Car`-object with the same values for the 5 instance variables.
g) A `toString` method returning all information in a string.
h) An `equals` method returning true if the object passed as argument is a car with the same values of all 5 instance variables.

Exercise 14.02

[Gaddis] Find the Error 1, 2, 3, p. 386

[Gaddis] Algorithm Workbench 1, p. 387-388 (start by finding and fixing the errors in the code)