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# Assignment 05 — 14.10.2020 – v1.0
# Moldable Development

Please submit this exercise by email to pascal.gadient@inf.unibe.ch before 21 October 2020, 10:15am.

## Exercise 1 - General questions (2 pts)

i) Is code reading a problem? Justify your answer.

ii) Give an example (does not have to be from software) where a custom tool improved the productivity by addressing a problem. Which tool did you choose, what is the addressed problem, and how did the tool improve productivity?

## Exercise 2 - Inspector extensions (4 pts)

i) The GT inspector displays views from methods that contain the pragma <gtView>. How many classes in Pharo can visualize themselves, because they contain at least one method with that pragma? Provide your implementation.

ii) Improve the `DateAndTime` class so that the GT inspector can visualize the date and time of such objects within a new view called "Human Readable".

The view must use the following format: `YYYY-MM-DD HH:MM`

## Exercise 3 - Live documents (4 pts)

i) What are the supported annotation names in live documents? In other words, which annotation names can you use in your live document code?

*NB: Annotation names prefix live document code snippets. For example,* `${class:Object}$` *contains the annotation name* `class` *which tells the live document to use the appropriate visualization for classes.*

ii) Create a live document that always shows the current number of classes available in Pharo. You have to provide the live document code *and* its implementation. Your live document should look like this:

I consist of `18605` classes.

Step 1:
Create a method (using the correct pragma) that returns all classes. You are allowed to augment existing classes in GT.

Step 2:
Reference the method in your live document code.