1. Introduction to Pharo

The goal of these exercises is to get Pharo to run on your computer and do the first steps to get familiar with how to use it. Read Chapter 1 of the *Pharo by Example* book. This exercise will be quite simple — just try to use Pharo to answer some questions:

Exercise 1.1

Subscribe to the course mailing list:

```
https://www.iam.unibe.ch/mailman/listinfo/st-vorlesung
```

In case of problems with Pharo and/or the following exercises, please send an email to this mailing list to describe your problem.

Exercise 1.2

Get Pharo to work on your computer. Download Pharo from

```
http://pharo-project.org/pharo-download.
```

Use this version for all exercises, if not otherwise stated: pharo1.0-10451-BETAweb09.09.3 (includes Seaside and Pier). If this specific version does not appear on the webpage mentioned above, click on 'archive and more' and search for it.

    The virtual machine needed for your specific platform can be found on the same webpage.

    Start Pharo. Then open a Workspace, evaluate and print this Smalltalk expression:

```
Object subclasses size
```

What is the result?

Exercise 1.3

In Smalltalk, a String is written like this:

```
'hello'
```

Use the functionality 'method source with it' on 'hello' (look in context menu) to find out how to concatenate two strings. Write down the expression that concatenates the strings 'hello' and 'world'.

Exercise 1.4

Answer these Questions:

- What is the class of the object `5.5`?

- Open the Browser, go to class Rectangle, select the method `areasOutside:`. How often was this method changed? When was the last time the method was changed?

- Open the TestRunner, find the test class `StringTest`, run it. How many tests fail? How many pass?

Please send your solutions by email to st-staff@iam.unibe.ch and additionally hand in a hardcopy of the solutions at the beginning of the next ST exercise session. Your solutions should be clearly marked with names and immatriculation numbers of all team members (max. two people).