

## Metrics and Problem Detection

Please submit this exercise to the git repository before 10h15, October 25, 2016. You can get the *.mse* file and related sources from [here](#). The [moosetechnology.org](http://moosetechnology.org) page contains an explanation on how to install Moose.

### Exercise 1

Write a method in Moose, that finds all the deprecated methods in the ArgoUML system.

### Exercise 2

Write a method in Moose, that finds the top 10 deprecated methods in the ArgoUML system with the largest number of *invoking methods* (methods that invoke the one in question).

### Exercise 3

Write a method in Moose, that finds all the abstract methods in ArgoUML.

### Exercise 4

Write a method in Moose, that finds all the methods in ArgoUML that have more than 15 checks for null (use `numberOfJavaNullChecks`)

### Exercise 5

Write a method in Moose, that will find all the constructors in ArgoUML.

### Exercise 6

Write a method in Moose, that will find all the constructors in ArgoUML that have more than 100 lines of code.

Note: For the exercises, *file out* the appropriate source code and commit the *.st* file to the git repository on <https://bitbucket.org>.