

# Lukas Renggli ([http://www.lukas-renggli.ch/?\\_s=OSBRUE\\_1tRThGcXM&k=PeIg0d1q&n&4](http://www.lukas-renggli.ch/?_s=OSBRUE_1tRThGcXM&k=PeIg0d1q&n&4))

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## Programmatically Run Lint

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[OmniBrowser \(http://www.lukas-renggli.ch/blog/ob-rb-2?\\_s=OSBRUE\\_1tRThGcXM&k=PeIg0d1q&n&38\)](http://www.lukas-renggli.ch/blog/ob-rb-2?_s=OSBRUE_1tRThGcXM&k=PeIg0d1q&n&38), the [question](http://lists.gforge.inria.fr/pipermail/pharo-project/2009-November/016110.html)

(<http://lists.gforge.inria.fr/pipermail/pharo-project/2009-November/016110.html>) arises from time to time on how to do the same from within a workspace script:

1. Select one or more rules to run from the class hierarchy below `RBBasicLintRule`. For example, the following expression would instantiate a single rule that searches for *questionable message sends*:

```
rule := RBBadMessageRule new
```

The following expression could be used to search for both *classes that implement # = but not #hash* and methods that do *float equality comparisons*:

```
rule := RBCompositeLintRule rules: (Array
  with: RBDefinesEqualNotHashRule new
  with: RBFloatEqualityComparisonRule new)
```

2. Next select the scope to run the rules in. In the most simple case this is the complete image:

```
environment := BrowserEnvironment new
```

You can however restrict the scope further, for example to the collection hierarchy:

```
environment := BrowserEnvironment new
  forClasses: Collection withAllSubclasses
```

If you have the OmniBrowser refactoring tools installed you can easily browse a restricted environment by evaluating:

```
environment open
```

3. Finally you perform the actual search by evaluating the following expression:

```
SmalllintChecker runRule: rule onEnvironment: environment
```

Note that this might take a while depending on the size of the environment and the number of rules you run.

4. If you have the OmniBrowser refactoring tools installed you can have a look at the result by evaluating the following expression:

Search [lukas-renggli.ch](http://www.lukas-renggli.ch)

While most people prefer to run SmallLint (Smalltalk Code Critics) from within

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`rule` open

Posted by Lukas Renggli at 19 November 2009, 6:04 pm with tags [lint](http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&39) (<http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&39>), [refactoring](http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&40) (<http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&40>), [smalltalk](http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&41) (<http://www.lukas-renggli.ch/blog/programmatically-run-lint? s=OSBRUE 1tRThGcXM& k=PeIq0d1q&41>) [link](http://www.lukas-renggli.ch/blog/programmatically-run-lint) (<http://www.lukas-renggli.ch/blog/programmatically-run-lint>)

## Comments

Thanks Lukas, this should come in handy!

Posted by Peter Hugosson-Miller at 19 November 2009, 6:25 pm [link](http://www.lukas-renggli.ch/blog/programmatically-run-lint#377715554) (<http://www.lukas-renggli.ch/blog/programmatically-run-lint#377715554>)

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