# Lukas Renggli (http://www.lukas-renggli.ch/? _s=OSBRUE_1tRThGcXM&_k=Pelg0d1q&_n&4)

# Programmatically Run Lint

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OmniBrowser (http://www.lukas-renggli.ch/blog/ob-rb-2? _s=OSBRUE_1tRThGcXM&_k=Pelg0d1q&_n&38) , the **question (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:

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

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:

## Archive

```
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=Pelg0d1q&39) , refactoring (http://www.lukas-renggli.ch/blog/programmatically-run-lint?_s=OSBRUE_1tRThGcXM&_k=Pelg0d1q&40) , smalltalk (http://www.lukas-renggli.ch/blog/programmatically-run-lint?_s=OSBRUE_1tRThGcXM&_k=Pelg0d1q&41) link (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)*

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