

#### COM1001 SPRING SEMESTER

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# Test Coverage

### Metrics for Testing

**Test Coverage** is a metric that describes **how much** of a system was tested by its tests (for example, unit and end to end tests). There are various ways to measures this.

Code Coverage is a type of **Test Coverage metric** that measure how much of our code was **executed** by the tests.

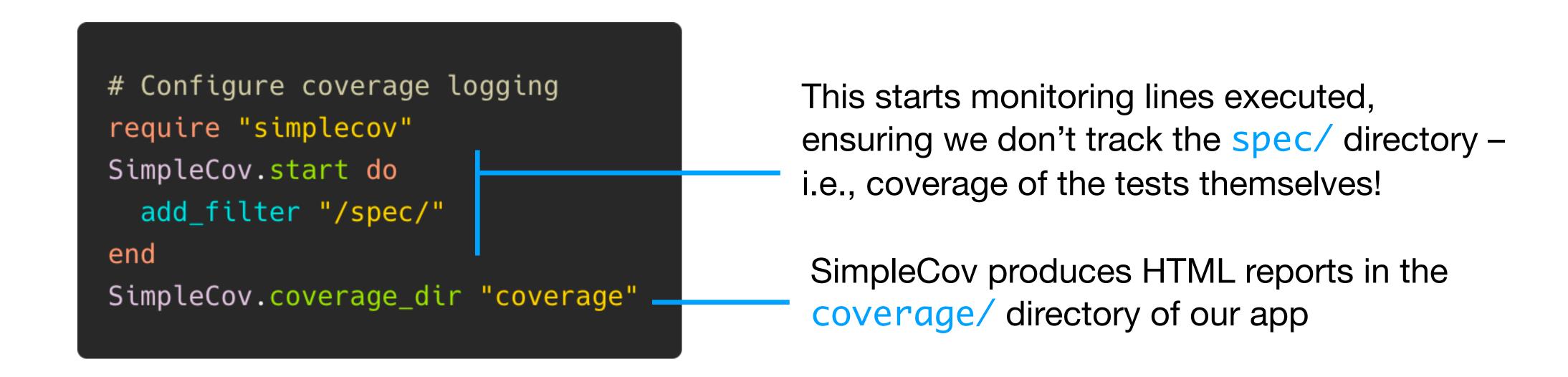
Line Coverage is a specific Code Coverage metric that measures how many code lines were executed.

Code Coverage tells us which parts of a system were missed by our tests, and what tests we may still need to write.

## SimpleCov

SimpleCov is a gem that can track the lines of code executed by our RSpec tests.

We can set it up to work with our tests in spec\_helper.rb as follows:





#### Live Demonstration:

Using Coverage Monitoring