

# Pythagorean Triplet in Scala

[Readme \(readme\)](#)[Test Suite \(../pythagorean-triplet\)](#)

## Pythagorean Triplet

There exists exactly one Pythagorean triplet for which  $a + b + c = 1000$ . Find the product  $a * b * c$ .

A Pythagorean triplet is a set of three natural numbers,  $\{a, b, c\}$ , for which,

$$1 \quad a^2 + b^2 = c^2$$

For example,

$$1 \quad 3^2 + 4^2 = 9 + 16 = 25 = 5^2.$$

The Scala exercises assume an SBT project scheme. The exercise solution source should be placed within the exercise directory `src/main/scala`. The exercise unit tests can be found within the exercise directory `src/test/scala`.

To run the tests simply run the command `sbt test` in the exercise directory.

For more detailed info about the Scala track see the help page (<http://help.exercism.io/getting-started-with-scala.html>).


## Source

Problem 9 at Project Euler view source (<http://projecteuler.net/problem=9>)



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