

# Scrabble Score in Scala

[Readme \(readme\)](#)[Test Suite \(../scrabble-score\)](#)

## Scrabble Score

Write a program that, given a word, computes the scrabble score for that word.

## Letter Values

You'll need these:

1 Letter	Value
2 A, E, I, O, U, L, N, R, S, T	1
3 D, G	2
4 B, C, M, P	3
5 F, H, V, W, Y	4
6 K	5
7 J, X	8
8 Q, Z	10

## Examples

"cabbage" should be scored as worth 14 points:

- 3 points for C
- 1 point for A, twice
- 3 points for B, twice
- 2 points for G
- 1 point for E

And to total:

- $3 + 2*1 + 2*3 + 2 + 1$
- $= 3 + 2 + 6 + 3$
- $= 5 + 9$
- $= 14$

## Extensions

- You can play a `:double` or a `:triple` letter.

Beta

- You can play a `:double` or a `:triple` word.

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

Inspired by the Extreme Startup game view source ([https://github.com/rchatley/extreme\\_startup](https://github.com/rchatley/extreme_startup))



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