

# Ocr Numbers in Scala

[Readme \(readme\)](#)[Test Suite \(../ocr-numbers\)](#)

## Ocr Numbers

Write a program that, given a 3 x 4 grid of pipes, underscores, and spaces, can determine which number is represented, or whether it is garbled.

### Step 1

A simple binary font has been constructed using only pipes and underscores.

The number is four rows high, three columns wide:

```
1  _  #
2  | | # zero.
3  |_ | #
4      # the fourth row is always blank
5
6      #
7  |  # one.
8  |  #
9      # (blank fourth row)
```

Write a program that, given a 3 x 4 grid of pipes, underscores, and spaces, can determine whether the the grid represents a zero, a one, or garble.

Anything else is considered garble, and can be represented with a '?'

### Step 2

A simple numeric font has been constructed using only pipes and underscores.

The number consists of four rows high, three columns wide:

```
1      _ _ _ _ _ _ _ _ _ #
2 | _ | _ || _ || _ | _ || _ || _ || | # decimal numbers.
3 || _ _ | | _ || _ | || _ _ || _ | #
4                                     # fourth line is always blank
```

There may be several numbers in the input text, one per line.

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 Bank OCR kata view source (<http://codingdojo.org/cgi-bin/wiki.pl?KataBankOCR>)

# exercism.io

(/)

Beta

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