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# 1. Introduction

Scriba is written in Perl. A single Perl script, at the moment, with no extra custom libraries. The structure of the code itself follows a few simple rules:

- Creating as many functions as needed to separated the processes.
- The functions are organised at the top of the script file.
- The body of the script contains as little code as possible, calling the previously defined.
- As we use it as an example we will exaggerate a bit with the comments! :-D

We try to maintain the code itself clean even though we are not following any specific coding standards.

The variable names have a one letter (or more, for references) prefix that denotes their type:

- b: boolean
- i: integer numbers
- f: floating point numbers
- s: strings
- a: arrays
- h: hashes
- o: objects
- ref: reference to ...

# 2. Function Descriptions

This section gives a quick description of the functions.

## 2.1. help

Prints the help screen with the command line usage.

## 2.2. checkArguments

Checks the arguments passed to the script. We need to have at least one argument.

## 2.3. readTemplates

Reads the templates we are going to need to render the documentation.

## 2.4. processFiles

Processes the input directories looking for the project files and looks in everyone of them if there are any comment sections that need to be used as source for documentation.

## 2.5. createDocuments

This function takes as input the document information extracted from the source code files and renders the documents using the templates specified by the user on the command line.

## 2.6. printFileInfo

Prints the statistical information we have collected whilst processing the source code file for document definition sections.

# 3. Scriba Flow

The Scriba software calls its functions/steps in the following order:

- checkArguments & help: to make sure we have been given all the information we need to run the software.
- readTemplates: to read the templates we are going to use to generate the documentation.
- processFiles: to extract the Scriba documentation information sections from the project source files.
- createDocuments: to create the defined documents using the given templates
- printFileInfo: if needed, to print the statistical information we have been collecting whilst processing the project source files.