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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.