

Spin Bash Script to Rmd

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Purpose

Documentation is an important part of any piece of software. Creating documentation and keeping documentation up-to-date takes time and is often not at the top of the priority list. The solution to this problem is made easier when the creation of the documentation is as seamless as possible. This script provides the possibility to create short pieces of documentation inside of a bash script. This documentation can then be converted into an HTML page using the Rmarkdown package behind the scenes.

Description

This script works on the assumption that every bash script consists of two parts.

1. Lines starting with `#` are understood as comments for the script, but will be converted into markdown text by this script.
2. Any lines not starting with `#` is understood as bash code. Chunks of bash code start with a line that starts with `#+` which allows to specify some options that determine how the code is treated.

For more information about the functionality of this script, please have a look at the corresponding vignette.

```
set -o errexit      # exit immediately, if single command exits with non-zero status
set -o nounset      # treat unset variables as errors
set -o pipefail     # return value of pipeline is value of last command to exit with non-zero status
                   # hence pipe fails if one command in pipe fails
```