Test for yaml function

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Introduction

The package `yamlme` is developed to enhance automatic generation of reports and documents from different packages, for instance reporting data sources by the package `vegtable` or producing check-lists by the package `taxlist`. These applications are at the moment tested in an experimental way, for instance in the package `vegtable2` (see function `report_communities()`).

The function `write_yaml()` is at the moment implemented in an own package. For details, a brief description will be retrieved by `?write_yaml`.

```
devtools::install_github("kamapu/yamlme")
library(yamlme)
```

State of the Art

The idea behind this function is to create Rmd documents with conten by using R-code. For instance a PDF document by setting the different yaml items as arguments in the function.

```
Docu <- write_yaml(
        title="First Function Version",
        author="Miguel Alvarez",
        output="pdf_document")
cat(Docu)
```

```
## ---
##  title: First Function Version
##  author: Miguel Alvarez
##  output: pdf_document
##
## ---
##
##
```

The names of the yaml entries are provided by the user, except for the defined arguments `append`, `body`, and `filename`, which I am assuming are not required in Rmarkdown documents.

To produce a full document, we need to include a body part, an output file and render it with rmarkdown.

```
Docu <- write_yaml(
        title="First Function Version",
        author="Miguel Alvarez",
        output="pdf_document",
        body="This is a first incursion in Rmarkdown.",
        filename="test_doc.Rmd")
render("test_doc.Rmd")
```

THE IDEA is to insert the entries by a combination of 1) character vectors of length 1 (the previous examples), 2) character vectors longer than 1 and 3) complex structures by lists. At the moment only alternatives 1 and 2 are implemented, while the challenge with more complex entries is to make the formatting in a recursive way and at the same time detect the hierarchical rank (depth) to properly set indentation.

```r
Docu <- write_yaml(
        title="First Function Version",
        author="Miguel Alvarez",
        output="pdf_document",
        "header-includes"=c(
                "- \\usepackage[utf8]{inputenc}",
                "- \\usepackage[T1]{fontenc}"),
        append="# Document written with 'write_yaml()'",
        body="This is a first incursion in Rmarkdown.",
        filename="test_doc.Rmd")
```

Note that the name of the entry **header-includes** have to be quoted because of the dash, while back-slashes have to be escaped.

Desiderata

The next step should be to implement lists as arguments for hierarchical entries in the yaml head. For instance

```r
output=list(pdf_file="default")
```

should write

```
---
output:
  pdf_document: default
---
```