Snippets R: Setting up a package

R - Start a new project

Mandatory setup

```
library(usethis)
#usethis::create_package(".")
usethis::use_description(
  fields = list(Package = "myPackageName"),
  check_name = TRUE,
  roxygen = TRUE
)

usethis::use_package("magrittr", min_version = "2.0.3")
usethis::use_package("testthat", min_version = "3.1.6")
usethis::use_package("covr", min_version = "3.6.1", "Suggests")
```

Further information

```
usethis::use_mit_license("My Name")
usethis::use_readme_md()
usethis::use_news_md()
```

Use tests

```
usethis::use_test("my-test")
```

Use test coverage

```
library(covr)
devtools::load_all(".")
covr <- file_coverage("R/fahrenheit_to_celsius.R", "tests/testthat/test-fahrenheit_to_celsius.R")
covr
report(covr)
```

Add documentation

```
usethis::use_vignette("fahrenheit_to_celsius")
```

GithubActions

https://github.com/r-lib/actions/tree/v2/examples

```
usethis::use_git()
usethis::use_github_action("check-release")
usethis::use_github_action("test-coverage")
```