Q&A Package

Note:

To address many of your questions, I have created three files: `CreatePackageExample.html`, `CreatePackageExampleTest.html`, and `CreatePackageExampleCI.html`. These files are available on GitHub. Please download them and open them to find the information you need.

Question:

What's the main difference between organizing functions into multiple smaller packages versus one large package?

- Smaller packages are easier to manage, test, and update, and they make code more navigable. In packages functions should be related in terms of their purpose and functionality.

Question

How do usethis and devtools simplify the process of creating and maintaining R packages?

- Just like other packages designed for simplicity and accessibility, `usethis` and `devtools` have similar features. `usethis` helps you start and set up R packages by creating the necessary files and folders, while `devtools` simplifies the package development process. Together, they make creating and maintaining R packages easier and more organized.

Question:

When I want to change the package name, for example, from A to B, besides renaming the folder, do I also need to update the DESCRIPTION file or take any other steps?

- Open the DESCRIPTION file and change the package name from:

```
package:  packageA
```

to

```
package:  packageB
```

- Rename the package directory from `packageA` to `packageB`.
- Update documentation files with `roxygen2`. This will update the `NAMESPACE` file. "go to"Code" tab in RStudio and search Insert Roxygen Skeleton"
- Regenerate the documentation and install the package with devtools:

```
devtools::document()
devtools::install()
```

Question:

When I want to write some documentation, I insert the Roxygen Skeleton, but why does it show "Unable to insert skeleton (the cursor is not currently inside an R function definition)"?

- The courser must be inside of the function.

Make sure that your cursor is within the R function before attempting to insert the skeleton.