Quiz 2

R Package Creation Quiz

Instructions:

- You have 30 minutes to complete this quiz.
- You are not allowed to use RStudio for creating the package.
- Write your answers in an Rmarkdown document and submit it to canvas when finished.

Create a simple R package called "yourFirstNameCalculator". For example, if your name is John, your package should be named "johncalculator". Here are the specifications:

- a. The package should contain a function called addition that takes two arguments and returns their sum.
- b. The package should contain a function called **division** that takes two arguments and returns the result of dividing the first argument by the second.
- c. Check if the function works as we expected. Type devtools::check(). TCapture a screenshot of your console that shows errors, warnings, and notes. If there are any issues, you should be able to fix them.
- d. Document each function. After completion, type devtools::document() to generate the .Rd files in your man folder. Capture a screenshot from inside your man folder.
- e. Install your package using devtools::install(). Capture a screenshot of your packages pane that shows your package is installed.
- f. Load your package and verify if your functions are working. Informally check by selecting two numbers and demonstrating that your addition and division functions return the expected results.

g. Generate the R document for both of functions using help() or?. For example, to get the R Documentation for sum() from {base} package you need to type

?sum

Note:

- You are submitting only **one PDF** file. Inside your PDF file, include at least 4 screenshots:
- 1. Part c: The result of check()
- 2. Part e: Packages pane showing your package was installed
- 3. Part g: R documentation for your addition function
- 4. Part g: R documentation for your division function