

R -Day1 Questions

Save all programs in a single file with name Day1.R
Use comments with # to give heading for each program.

(Change the Font to Nimbus Mono L under Tools>Global Options>Appearance if there are some cursor position problems in RStudio editor)

- 1) Obtain the result of
 - a. 3×4
 - b. $(8/2) - (3 \times 4)$
 - c. $8/(2-3) \times 4$Use the short cut Control + Enter to execute the program
- 2) Create the number sequence:
 - (a) 1, 2, 3, . . . , 19, 20
 - (b) 20, 19, . . . , 2, 1
- 3) Use the function paste to create the following character vectors of length 30.
"label 1", "label 2",, "label 30"
- 4) Store the string "The quick brown fox jumps over the lazy dog" into a variable.
 - a) In the string, replace the word "brown" with "red"
 - b) Use substr() function to pick the word "fox" from the string
- 5) Write the expression to compute the perimeter of a rectangle. Given b and h.
- 6) Create following sequences with rep. Get help on the rep(), by typing ?rep.
(4, 6, 3, 4, 6, 3, . . . , 4, 6, 3) where there are 10 occurrences of 4.