**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
   1. 3 X 4
   2. (8/2)−(3 X 4)
   3. 8/(2−3) X 4

Use the short cut Control + Enter to execute the program

1. Create the number sequence:

(a) 1, 2, 3, . . . , 19, 20

(b) 20, 19, . . . , 2, 1

1. Use the function paste to create the following character vectors of length 30.

"label 1", "label 2", ....., "label 30"

1. 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

1. Write the expression to compute the perimeter of a rectangle. Given b and h.
2. 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.