Q1. Define matrix mymat by replicating the sequence 1:5 for 4 times and transforming into a matrix, sum over rows and columns.

ANS.

mymat <- matrix(rep(seq(5),4),ncol=5)

apply(mymat,1,sum)

apply(mymat,2,sum)

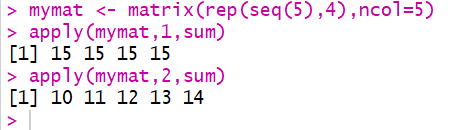
The apply() function is most often used to apply a function to the rows or columns (margins) of matrices or data frames.

**SYNTAX:**

apply(x, MARGIN, FUN, ...)

* x is the matrix, dataframe or array
* MARGIN is a vector giving the subscripts which the function will be applied over. E.g., for a matrix 1 indicates rows, 2 indicates columns, c(1, 2) indicates rows and columns.
* FUN is the function to be applied
* ... is for any other arguments to be passed to the function

**OUTPUT:**

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