rep(1:5, 4)

Replicating the sequence 1 to 5

mymat <- matrix(rep(1:5 ,4), nrow = 4 , ncol = 5, byrow = TRUE ) # creating matrix conidering 4 rows and 5 columns

mymat

**sum over rows and columns**

apply(mymat, 1, sum) # sum of rows

apply(mymat, 2, sum) # sum of collumns