# Problem Statement

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

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| > m <- seq(from=1, to=5)  > m  [1] 1 2 3 4 5  > mymat <- matrix(m,nrow=5, ncol=4)  > mymat  [,1] [,2] [,3] [,4]  [1,] 1 1 1 1  [2,] 2 2 2 2  [3,] 3 3 3 3  [4,] 4 4 4 4  [5,] 5 5 5 5  > rowtotal<-apply(mymat,1,sum)  > rowtotal  [1] 4 8 12 16 20  > columntotal<-apply(mymat,2,sum)  > columntotal  [1] 15 15 15 15 |
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