**Session 3 – Introduction to**

**working with R**

**Assignment – 2**

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

rep(1:5, 4) # replicating the sequence 1 to 5

mymat <- matrix(rep(1:5 ,4), nrow = 4 , ncol = 5, byrow = TRUE )

mymat

[,1] [,2] [,3] [,4] [,5]

[1,] 1 2 3 4 5

[2,] 1 2 3 4 5

[3,] 1 2 3 4 5

[4,] 1 2 3 4 5

apply(mymat, 1, sum)

[1] 15 15 15 15

apply(mymat, 2, sum)

[1] 4 8 12 16 20