FALL SEMESTER -2019-2020
MAT 2001 – LAB ASSESMENT 1

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Using R, Solve each problem and write down a neat solution. Your work should be mathematically correct and submit within your due date.

1. Let A= $\begin{bmatrix} 2 & 4 & 4 \\ 7 & 4 & 5 \\ 5 & 3 & 1 \end{bmatrix}$, B= $\begin{bmatrix} 9 & 3 & 5 \\ 8 & 6 & 24 \\ 1 & 3 & 2 \end{bmatrix}$.

    a) Find transpose of A+B
    b) Find A*B
    c) Access 2nd row and 3rd column element
    d) Access 3rd row of A*A

2. Form the table for the following data.
X=sequence from 1 to 10 with difference 2
Y= letter from a to e
Z= any five names

3. Solve x+y+z=1, x-3y+z=3, 5x+4y+2z=8.

4. Write the code to find mean for the following data.
2,4,5,2,7,9,4,5,2,8,5,7,3,1

5. Find median and mode for the following distribution

x	0-10	10-20	20-30	30-40	40-50
f	12	8	7	3	10