**633 IPD Assignment 2**

Due April 10th/2021, 2359hrs

Develop a simple webpage to give user the functionality of matrix operations, The web page should ask the user for the number of matrices (either 1 or 2) then for each matrix it must ask for the number of rows and columns (min 2x2, max 5x5 but it should not always be a square matrix, 2x4 or 4x5 are valid inputs) and show it as input fields to take the input for matrix.   
  
If user has previous selected 1 as number of matrix it should give user following possible options to go with:  
Find determinant of the matrix  
Find transpose of the matrix  
Find the inverse of the matrix.  
Add a scalar to matrix  
Multiply the matrix with a scalar  
  
If the user has previously selected 2 as number of matrices it should give user the following possible option to go with:  
Multiply the first matrix with the second.  
Multiply the second matrix with first.  
Add both matrices  
Subtract the first matrix from second  
Subtract the second matrix from the first  
  
User selects an option as per his/her choice and selects calculate, the page now calculates and shows the result (as matrix if the result is a matrix or simple number in case of determinant)  
  
Your main focus should be on taking input and displaying the result, not on the actual matrix mathematics/calculations so you can use the javascript build in matrix functions for all calculations needed.  
(Ref: <https://www.robinwieruch.de/linear-algebra-matrix-javascript>)  
  
Assignment should be submitted the same way as assignment 1.