**QUIZ – 1.1**

1. What is a csv file, why do we use it?

2. Write a python function that takes three parameters, adds first two of them and multiplies it with the third parameter and finally divides it by 200, and returns the result.
   1. NOTE : "Easy to maintain" , "easy to read" code rules should be obeyed.

3. Given det(A.B)=det(A) . det(B), demonstrate that det(A$^{-1}$)=1/det(A) (No python code, only you will write maximum 3-4 lines of mathematical operations)

4. Multiply the following matrices A and B,.(You have to transpose one of them).

$$A = \begin{bmatrix} 1 & 0 \\ 1 & 1 \\ 0 & 1 \\ 2 & 1 \end{bmatrix} \qquad B = \begin{bmatrix} 2 & 1 \\ 0 & 1 \\ 1 & 0 \\ 0 & 1 \end{bmatrix}$$

5. Numpy matrix functions (writing only name is enough):
   1. What is the name of the numpy function that creates a matrix full of "10":

   2. What is the name of the numpy function that merges two matrices vertically :

   3. What is the name of the numpy function that finds the average of the values in a list of float or integer values :

   4. What is the name of the numpy function that multiply two matrices :