

## QUIZ – 1

1. What is a pickle file, why do we use it?
2. Write a python function that takes two parameters, adds them, and multiplies the result with the constant value “200”, and returns the result.
  1. NOTE : “Easy to maintain” , “easy to read” code rules should be obeyed.

3. Demonstrate that  $(A.B)^{-1}=B^{-1} . A^{-1}$  (No python code, only you will write maximum 5-6 lines of mathematical operations)

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

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

5. Numpy matrix functions (writing only name is enough):
  1. What is the name of the numpy function that creates a matrix full of zero values:
  2. What is the name of the numpy function that merges two matrices horizontally :
  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 :