

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
Department of Computer Science & Engineering

CS 2093 : HARDWARE LABORATORY
(Winter 2017-2018)

Assignment set 3 - Matrix Operation

Instructions

1. All the assignments should be submitted through Eduserver.
2. Pendrives are not permitted inside the lab.
3. Practice problems will not be evaluated.

Practice Problems

1. Write a program to read two matrices and find their sum
2. Write a program to read a matrix and find the transpose

Assignment Problems

1. Write a NASM program to interchange diagonals of a matrix.
2. Write a NASM Program to Compute the Product of Two Matrices.
3. Write a NASM program to read a matrix and rotate it by 90 degrees.
4. Write a NASM Program to print the given matrix in the following form.

Input :

10 24 32

50 06 17

99 10 11

Output :

10 24 32 17 06 50 99 10 11

Input :

01 02 03 04 05

06 07 08 09 10

11 12 13 14 15

16 17 18 19 20

Output :

01 02 03 04 05 10 09 08 07 06 11 12 13 14 15 20 19 18 17 16