

Hacettepe University Computer Science and Engineering Department

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Subject : Programming Assignment1

Problem Definition: In this assignment, we are expected to process multidimensional arrays that we created with the arrays folder with the commands in the commands file. All operations in the file are requested with dynamic memory allocation functions.

Solution Approach: I put the array name, array's row and column size, type and content into the structure I created with dynamic memory allocation functions. I made changes to the arrays in this structure with the incoming commands.

Functions : I created the elements of struct with each different vec or mat files that came with the input folder. I created separate functions for each different command from the commands file (vecread, matzeros, vecstack, etc.). I checked certain conditions before processing the incoming line. Then I executed arrays according to these commands. I have implemented all functions