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CSC 415

Assignment 5

Test Case Design

Functionality Tested	Inputs	Expected Output	Actual Output
Create a Matrix with user input	Keyboard inputs for Matrix dimensions/data	Populates Matrix with user inputs	Populates Matrix with user inputs
Create a Matrix with data from file	File name	Populates Matrix with file data	Populates Matrix with file data
Assign a Matrix to the calling Matrix	matrixA, matrixB	matrixC	matrixC
Assign a Complex to the calling Matrix	comp1, matrixD	matrixE	matrixE
Add a Matrix to the calling Matrix	matrixF, matrixG	matrixH	matrixH
Add a Complex to the calling Matrix	comp2, matrixI	matrixJ	matrixJ
Add a Complex and a Matrix	comp3, matrixK	matrixL	matrixL
Multiply a Matrix with the calling Matrix	matrixM, matrixN	matrixO	matrixO
Multiply a Complex with the calling Matrix	comp3, matrixP	matrixQ	matrixQ
Multiply a Complex and a Matrix	comp4, matrixR	matrixS	matrixS
Display a Matrix on the screen	matrixS	Shows matrixS on the screen	Shows matrixS on the screen
Properly call destructor on Matrix arrays	matrixArray	Calls destructor and deallocates matrixArray	Calls destructor and deallocates matrixArray