//CS4370

//Parallel Programming for Many-Core GPUs

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//12/12/24

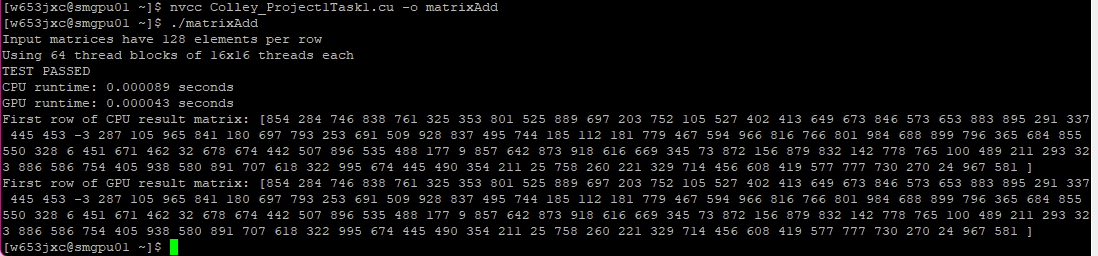
//Programming Assignment #1 - Basic Matrix Addition

//Compiling command: nvcc Colley\_Project1Task1.cu -o matrixAdd

//Compiling command: nvcc Colley\_Project1Task2.cu -o matrixMult

Report:

The program for both tasks has all of the functionalities described in the project description.

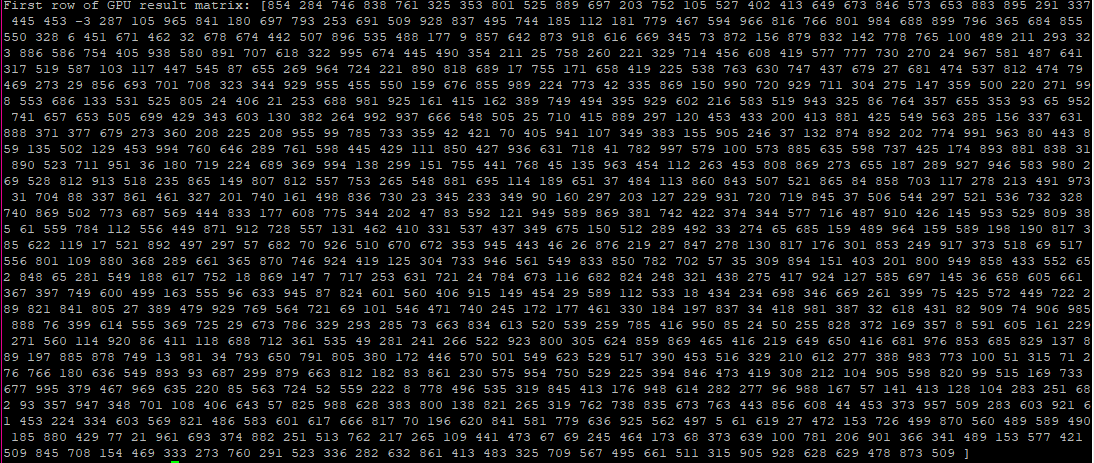
Matrix addition with a matrix of size 128x128: 

Matrix addition with a matrix of size 500x500:

A screen shot of a computer

Description automatically generatedMatrix addition with a matrix of size 1000x1000: A screen shot of a computer screen

Description automatically generated



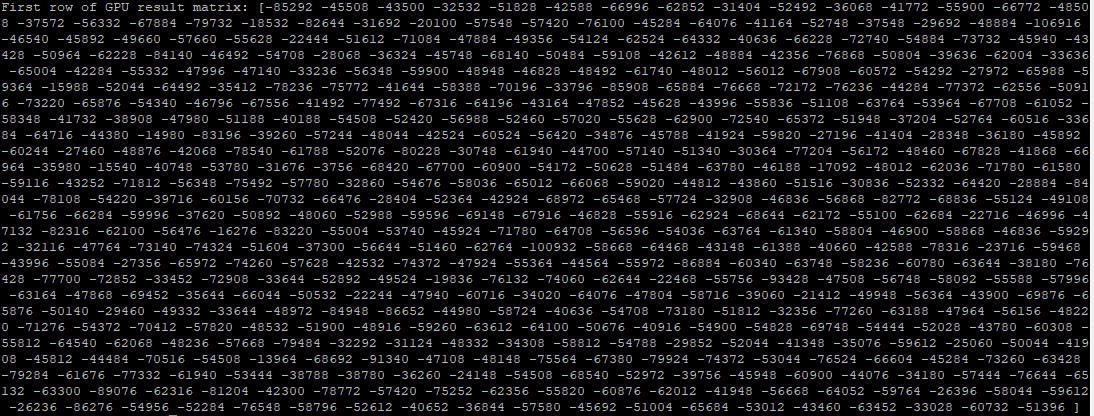
Matrix multiplication with a matrix of size 128x128:

A computer screen with many small squares

Description automatically generated with medium confidence

Matrix multiplication with a matrix of size 500x500:

A screen shot of a computer

Description automatically generated

Matrix multiplication with a matrix of size 1024x1024:

A screen shot of a computer

Description automatically generated