//CS4370

//Parallel Programming for Many-Core GPUs

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//12/12/24

//Programming Assignment #2 - Tiled Matrix Multiplication

//Compiling command: nvcc Colley\_Project2.cu -o matrix

Report:

The program for assignment 2 has all the functionalities required in the assignment description.

128x128 matrix with tile size = 8:

A black screen with white squares

Description automatically generated

128x128 matrix with tile size = 16:

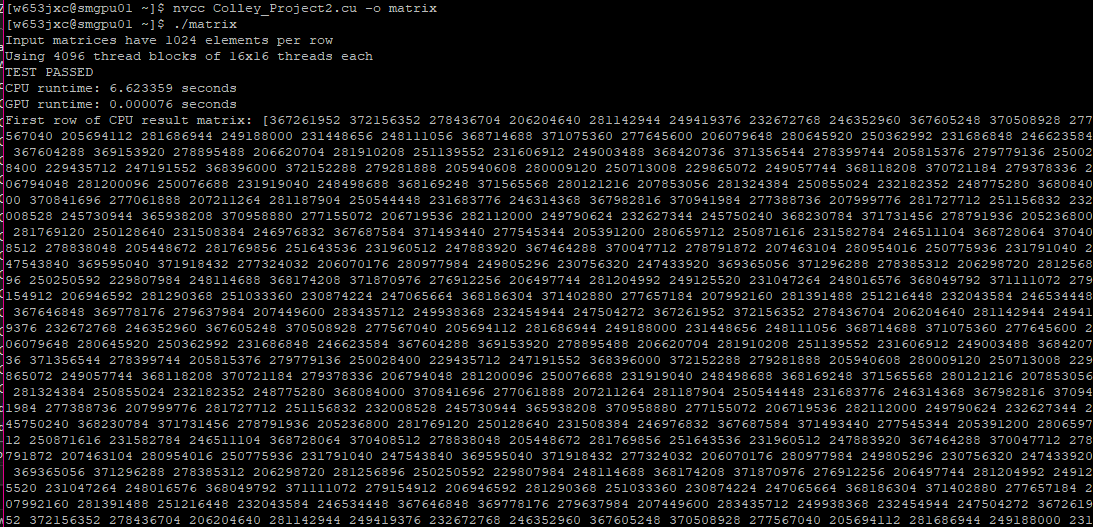
A black screen with white squares

Description automatically generated

1024x1024 matrix with tile size = 8:

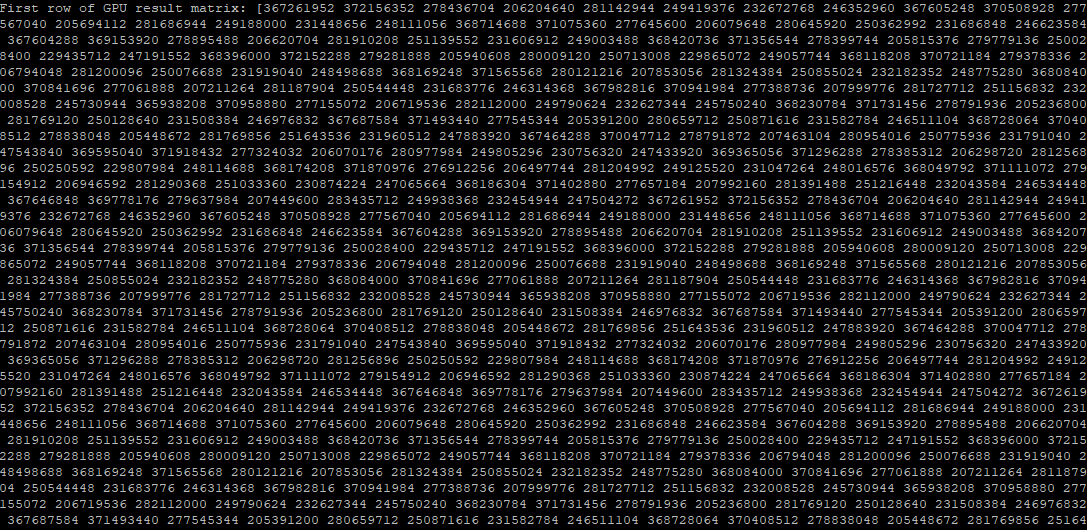
A screen shot of a computer

Description automatically generated



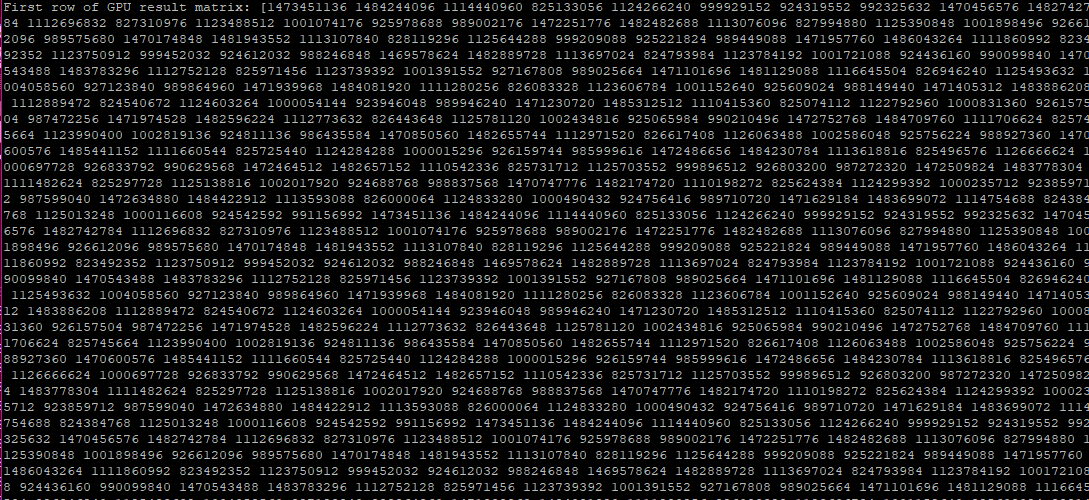
1024x1024 matrix with tile size = 16:

A black background with white numbers

Description automatically generated

4096x4096 matrix with tile size = 8:

A screen shot of a computer

Description automatically generated

4096x4096 matrix with tile size = 16:

A screen shot of a computer

Description automatically generated

A black background with white numbers

Description automatically generated

4096x4096 matrix with tile size = 32:

A computer screen shot of a keyboard

Description automatically generated