CPSC 479 Homework 6: Introduction to HPC

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Upload the program(s) on ~~TITANIUM~~ **Canvas** together with a description file (text, DOC or PDF) on how to execute it.

**Problem 1. [ 4 points]** Write a CUDA program that includes a host function to compute the minimum value in a N ~~dimensional~~ **square** matrix, N being 16.

Test your program on aries.ecs.fullerton.edu using the nvcc compiler to make sure it runs.  
  
**Problem 2. [ 4 points]** Write a CUDA program that includes a host function to compute the square of a N ~~dimensional~~ **square** matrix, N being 16. Guide yourself using the slides from week 11, Google slide titled “ GPU Programming: Matrix Squaring (Version 1)” or “GPU: Programming Matrix Squaring (Version 2)”.

Test your program on aries.ecs.fullerton.edu using the nvcc compiler to make sure it runs.