Assignment 2  
GPU computing

Mahmoud Ahmed 900172747

Mohammed Abuelwafa 900172603

# Notes:

* For tasks 5, 6, and 7, there is a header file attached used for handling errors in this part to keep the code clean.
* Some results may differ between the GPU and CPU because of the round off error and, as far as we understand, the way each architecture handles the floating point operations since this difference was not noticed when using normal integers for testing.
* The following results are obtained from Nvidia GTX 1060 with CUDA 10.1 installed

# Task1:

A picture containing text

Description automatically generated

# Task2: