//CS4370

//Parallel Programming for Many-Core GPUs

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//Programming Assignment #3 - Work Efficient Parallel Reduction and Work Efficient Parallel Prefix Sum

//Compiling command: nvcc Colley\_Project3Task1.cu -o sum

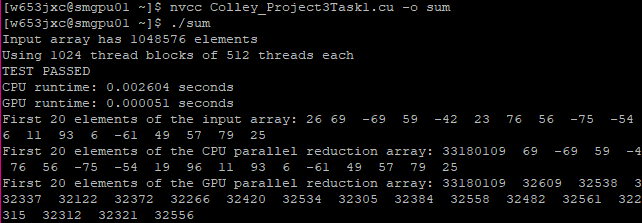
//Compiling command: nvcc Colley\_Project3Task2.cu -o scan

Report:

The program for task 1 has all the functionalities needed to run using an input array of size up to 1048576. The program for task 2 has all the functionalities needed to run using an input array of size up to 2048.

Parallel Reduction with input array size of 131072: A screenshot of a computer program

Description automatically generated

Parallel Reduction with input array size of 1048576: 

Parallel Scan with input array size of 2048:

A screenshot of a computer program

Description automatically generated