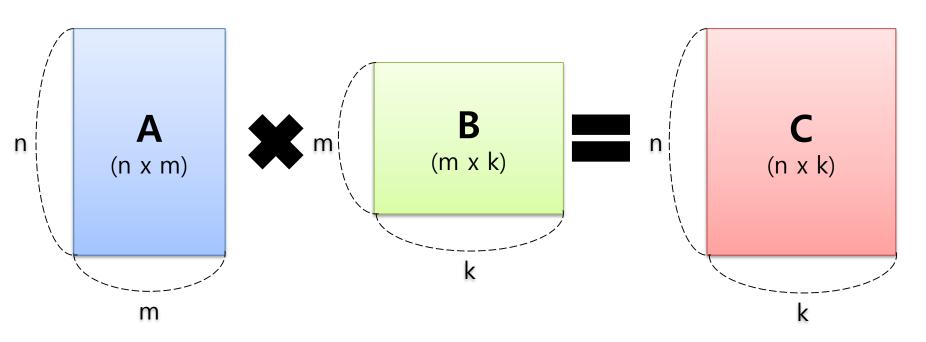
Assignment #4

Purpose of Assignment

Purpose

- Programming "Matrix Multiplication Program" on the GPU
 - Skeleton Code is given.
 - Skeleton Code is in the GPU Server.
 Path: /home/share/Assignment4/
 - Requires Arbitrary Sized Matrices
 - Requires Matrix Tiling
 - Compile and Run on the GPU Server
 - Print Results to Text File

Arbitrary size Matrix Multiplication



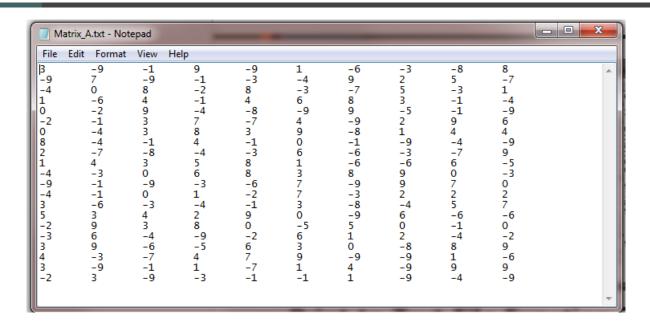
- Implement routine to define Matrix Size
 - n, m and k
- Input Elements of A and B are Random Variables
 - Integers in a range (-10, 10)

Parameters input

- Input Parameters with Console Commands
 - Matrix Size

```
penorchid@ubuntu:~/cuda$ ./EXE
Input the Value of n:16
Input the Value of m:13
Input the Value of k:7
```

Results Print



- Routine for File I/O is given.
- Write Matrices A,B and C.
 - 1 text file per Matrix

Submit the Assignment

Submit the zip file @ Blackboard

- File name must be "Assignment4_StudentID_Name.zip"
 - Ex. Assignment4_2015000000_박지혁.zip
- Zip file must include
 - Src files
 - Result running Image file
 - Result printed text files

Due date: Wednesday, 28 November, 23:59