ASSIGNMENT - 3

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For the COMPILATION:

1. Go to the directory containing main.cpp and matrix\_mul.cl and MakeFile
2. Run the command ‘make all’
3. Compile the file using the command: g++ -O3 -std=c++11 main.cpp -o matrix\_mul –lOpenCL
4. Run the file usinf the command: ./matrix\_mul

FOR CPU MODELS RUN THE FOLLOWING:

cap /proc/cpuinfo

FOR GPU MODELS RUN THE FOLLOWING:

Nvidia-smi

The PDF consists of the table with runtime for different Kernels and different matrix sizes. I also consists of three screenshots for three sizes (512x512) (1024x1024) and (2048x2048)