Use of Visual Studio C++ is preferred.

Alternative is

1. gcc Week1.cpp -lstdc++ -o Week1.o
2. ./Week1.o …. (Continuing the terminal statements for parameters)

**For Convolution**

./Week1 convolution padsize matrix1.txt num\_rows1 matrix2.txt num\_rows2

**For Convolution using matrix multiplication**

/Week1 convolutionMM padsize matrix1.txt num\_rows1 matrix2.txt num\_rows2\

**For ReLU and tanh**

./Week1 ReLU matrix.txt num\_rows

./Week1 tanh matrix.txt num\_rows

**For Sigmoid and SoftMax**

./Week1 sigmoid vector.txt sizeof\_vector

./Week1 softMax vector.txt sizeof\_vector