**Optimal threshold and histogram**

This program is used for finding optimal threshold using two methods.

1. Using dynamic memory allocation and linked structures (thresholdStruct.c)
2. Using histogram (thresholdHistogram.c)

**Required steps for compiling**

1. The directory of data files has to be changed subsequently depending on the OS, otherwise it may result in segmentation fault.
2. For each text file to be read, enter the no. of rows and columns in first line separated by tab.

**Code compilation**

gcc –o thersholdStruct thersholdStruct.c

gcc –o thresholdHistogram thresholdHistogram.c

**Run code**

./thresholdStruct

./thresholdHistogram

**Results**

1. Statistics of pixels data files is stored in result.dat file.
2. Time data is written in res.txt file.
3. Graphs are plotted in .png files.