Victor Fernandes - 040772243

Course: CST8152 - Compilers, Lab Section: 011  
Assignment: 1  
Professor: Svillen Ranev  
Due Date: September 29, 2016  
Date: Setpember 29, 2016  
Contents: Test Plan, buffer.c, buffer.h, ass1fi.out, ass1mi.out, ass1ai.out, ass1e.out

# Test Plan

During the development of the buffer, small print statements were used on specific portions of the program to debug the state of the buffer during operation, printing variables and using them to confirm the accepted behavior of code logic.

Once all the tests files had the proper output, the big file was used for testing the limits of the buffer’s capacity. Print statements were used in the buffer creation to check the value of the increment factor, given that it was stored as a signed char, yet is used always as an unsigned char, thus possible underflows were mitigated using this method.

## Notes:

MS Visual Studio Compiler (msvc) will warn about single line // comments in stdio.h and limits.h