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\* Class: CSC-415-02 Summer 2020

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\* Project: Project: Assignment 2 – Buffered I/O

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\* File: MohammedAli\_Wameedh\_HW2

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\* Description: Write-up of what I did and the compilation and execution output from my program.

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I apologize for submitting this assignment about 2 hours late. I have been working on it every day since it was published and today I literally have been working on it since 5pm. I hope that I will not lose points for the late submission as I really tried my best to get it to work. However, I understand if you have to take some points for that, thank you for responding to my slack messages throughout the week and assisting me with the assignment.

On Mac:

Cloned the repo from github.

Created MohammedAli\_Wameedh\_HW2\_main.c

Added the makefile.

Wrote the program that open DecOfInd.txt file read from it by chunks of 512 bytes into a buffer then read from the buffer 80 bytes at a time then print it out. In this program I used the Linux system calls method, open(), read() and close().

Committed and pushed to github

Testing on Linux:

Run:

`make run`

Output: Next page!

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student@student-VirtualBox: ~/Desktop/CSC415/assignment-2-buffered-i-o-Wameedh
File Edit View Search Terminal Help
student@student-VirtualBox:~/Desktop/CSC415/assignment-2-buffered-i-o-Wameedh$ make run
./MohammedAli_Wameedh_HW2_main DecOfInd.txt
The unanimous Declaration of the thirteen united States of America, When in the
Course of human events, it becomes necessary for one people to dissolve the poli
tical bands which have connected them with another, and to assume among the powe
rs of the earth, the separate and equal station to which the Laws of Nature and
of Nature's God entitle them, a decent respect to the opinions of mankind requir
es that they should declare the causes which impel them to the separation.

We hold
these truths to be self-evident, that all men are created equal, that they are
endowed by their Creator with certain unalienable Rights, that among these are
Life, Liberty and the pursuit of Happiness.--That to secure these rights, Govern
ments are instituted among Men, deriving their just powers from the consent of
the governed, --That whenever any Form of Government becomes destructive of the
se ends, it is the Right of the People to alter or to abolish it, and to institu
te new Government, laying its foundation on such principles and organizing its p
owers in such form, as to them shall seem most likely to effect their Safety and
Happiness. Prudence, indeed, will dictate that Governments long established sho
uld not be changed for light and transient causes; and accordingly all experienc
e hath shewn, that mankind are more disposed to suffer, while evils are sufferab
le, than to right themselves by abolishing the forms to which they are accustome
d. But when a long train of abuses and usurpations, pursuing invariably the same
Object evinces a design to reduce them under absolute Despotism, it is their ri
ght, it is their duty, to throw off such Government, and to provide new Guards f
or their future security.--Such has been the patient sufferance of these Colonie
s; and such is now the necessity which constrains them to alter their former Sys
tems of Government. The history of the present King of Great Britain is a histor
y of repeated injuries and usurpations, all having in direct object the establis
hment of an absolute Tyranny over these States. To prove this, let Facts be subm
itted to a candid world.

He has refused his Assent to Laws, the most wholesome
and necessary for the public good.

He has forbidden his Governors to pass Laws
of immediate and pressing importance, unless suspended in their operation till h
is Assent should be obtained; and when so suspended, he has utterly neglected to
attend to them.

He has refused to pass other Laws for the accommodation of lar
ge districts of people, unless those people would relinquish the right of Repres
; whereby the Legislative powers, incapable of Annihilation, have returned to th
e People at large for their exercise; the State remaining in the mean time expos
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