

Assignment 2 – Struct and Buffer

Description: This program we're focusing data structures, and buffers. Writing this program gives me some experience how to use structures, and buffers at the same time. It helps me to understand deeply data structures and buffers.

Approach/ What I did:

I read carefully the assignment, and I took notes the key words. If there is some words that I am not familiar, I was looking at them in google. Probably I read the assignment more than five times to just understand the concept of the program. Then I follow every steps in the assignments. When I am stuck, I was going back the zoom video when you were explaining the assignment.

Issues and Resolution:

At the beginning I did not where to start the assignment, I was all over place, then I carefully read couple times the assignments and I follow the steps. One time I stuck on step 4 the last part when copying the third command. It took me quite a time to solve that. It was a bit confused.

Screen Shot of compilation:

```
student@student-VirtualBox:~/Documents/csc415-assignment2-bufferandstruct-Abdoul1996$ make run
gcc -c -o abdillahi_abdoulfatah_HW2_main.o abdillahi_abdoulfatah_HW2_main.c -g -I.
gcc -o abdillahi_abdoulfatah_HW2_main abdillahi_abdoulfatah_HW2_main.o assignment2.o -g -I.
```

code:

```
student@student-VirtualBox:~/Documents/csc415-assignment2-bufferandstruct-Abdoul1996$ make run
gcc -c -o abdillahi_abdoulfatah_HW2_main.o abdillahi_abdoulfatah_HW2_main.c -g -I.
gcc -o abdillahi_abdoulfatah_HW2_main abdillahi_abdoulfatah_HW2_main.o assignment2.o -g -I.
./abdillahi_abdoulfatah_HW2_main abdoulfatah abdillahi "Four score and seven years ago our fathers brought forth on this continent, a new nation, conceived in liberty, whose name shall live forever."
The function is succeed----- CHECK -----
Running the check for abdoulfatah abdillahi
Name check is 0 by 0
Student ID: 921623492, Grade Level: Senior
Languages: 2055 (807)
Message:
Four score and seven years ago our fathers brought forth on this continent, a new nation, conceived in liberty, whose name shall live forever.
The Check Succeeded (0, 0)

END-OF-ASSIGNMENT
000000: 8D B2 50 A2 FF 7F 00 00 99 B2 50 A2 FF 7F 00 00 | ??P??...??P??..
000010: C4 DB EE 36 03 00 00 00 07 08 00 00 46 6F 75 72 | ???6.....Four
000020: 20 73 63 6F 72 65 20 61 6E 64 20 73 65 76 65 6E |  score and seven
000030: 20 79 65 61 72 73 20 61 67 6F 20 6F 75 72 20 66 |  years ago our f
000040: 61 74 68 65 72 73 20 62 72 6F 75 67 68 74 20 66 |  athers brought f
000050: 6F 72 74 68 20 6F 6E 20 74 68 69 73 20 63 6F 6E |  orth on this con
000060: 74 69 6E 65 6E 74 2C 20 61 20 6E 65 77 20 6E 61 |  tinent, a new na
000070: 74 69 6F 6E 2C 20 63 6F 6E 63 65 69 76 65 64 20 |  tion, conceived

free(): invalid next size (normal)
Aborted (core dumped)
Makefile:70: recipe for target 'run' failed
make: *** [run] Error 134
student@student-VirtualBox:~/Documents/csc415-assignment2-bufferandstruct-Abdoul1996$
```