Homework: 04

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Solution of problem 3. First there was a syntax error so we have to rectify it that is the null character was not written correctly.
The error we got from gdb was SIGSEGV segmentation fault.Then I used up commands to go the starting of error, I figured that error was at line 12 of the code.

To resovle this error I checked the code and found out that p->str was not allocated memory so I added one line after line 13 which is
p->str = malloc(p->len + 1);

Then I ran to valgrind to check any memory leaks and it said no leaks possible. So memory leakage is not there.

The log file is :-
Starting program: /mnt/a/CS200/assign4/a.out

Program received signal SIGSEGV, Segmentation fault. __strncpy_avx2 () at ../sysdeps/x86_64/multiarch/strcpy-avx2.S:593
593 ../sysdeps/x86_64/multiarch/strcpy-avx2.S: No such file or directory.
#1 0x0000000008001242 in Init_CString (str=0x800200d "Hello!") at q3.c:12
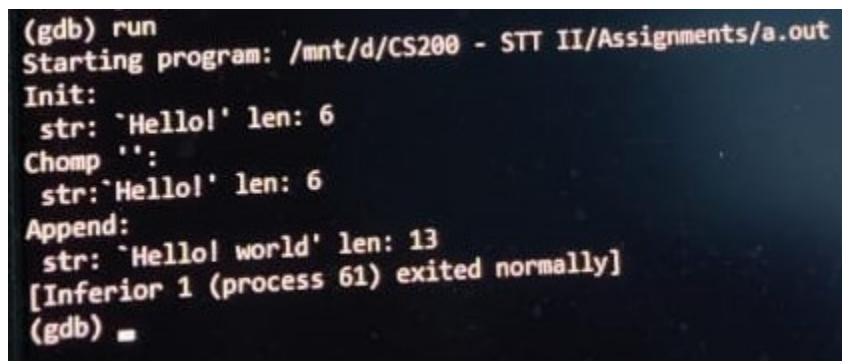12 strncpy(p->str, str, strlen(str) + 1);
#2 0x0000000008001390 in main () at q3.c:45
45 mystr = Init_CString("Hello!");
Initial frame selected; you cannot go up.

The output of resolved file is :-