HW2 Report

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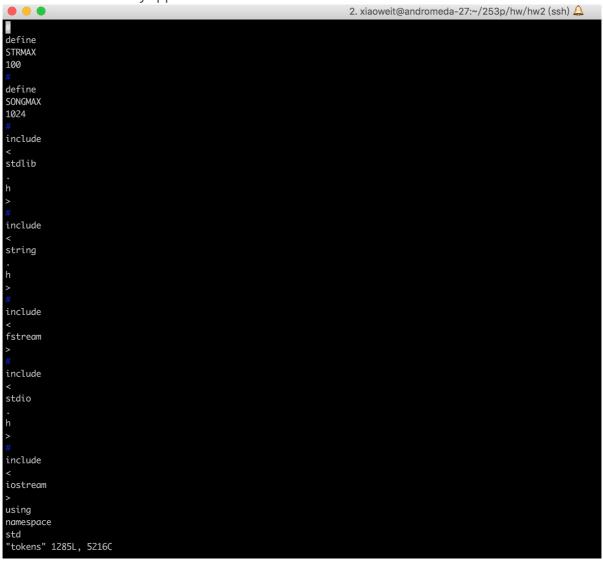
Screenshots for tests

1. Test for parseC

• Test with sample.cpp

```
2. xiaoweit@andromeda-27:~/253p/hw/hw2 (ssh)
$ ./parseC < sample.cpp</pre>
include
stdio
main
(
int
argc
,
char
argv
char
my_char
 'A'
;
for
1024
printf
 "\"Hello\" she said.\n"
```

Test with MusicLibrary.cpp



2. Test for myString

```
2. xiaoweit@andromeda-27:~/253p/hw/hw2 (ssh)

$ ./myString
test_strlen pass
test_strcmp pass
test_strncmp pass
test_strcpy pass
test_strcat pass
test_strchr pass
test_strpbrk pass
test_strspn pass
test_strspn pass
test_strspn pass
test_strstr pass
test_strstr pass
test_strtok pass
xiaoweit@andromeda-27 23:15:43 ~/253p/hw/hw2

$ \begin{align*}
\textbf{ \text{ } \text{ }
```

Screenshots for Valgrind

1. Valgrind for parseC

```
2. xiaoweit@andromeda-27:~/253p/hw/hw2 (ssh)
$ valgrind ./myString < MusicLibrary.cpp > tokens
==14138== Memcheck, a memory error detector
==14138== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.
==14138== Using Valgrind-3.13.0 and LibVEX; rerun with -h for copyright info
==14138== Command: ./myString
==14138==
==14138==
==14138== HEAP SUMMARY:
==14138==
             in use at exit: 72,704 bytes in 1 blocks
==14138==
           total heap usage: 1 allocs, 0 frees, 72,704 bytes allocated
==14138==
==14138== LEAK SUMMARY:
==14138==
            definitely lost: 0 bytes in 0 blocks
==14138==
            indirectly lost: 0 bytes in 0 blocks
==14138==
              possibly lost: 0 bytes in 0 blocks
==14138==
            still reachable: 72,704 bytes in 1 blocks
==14138==
                 suppressed: 0 bytes in 0 blocks
==14138== Rerun with --leak-check=full to see details of leaked memory
==14138==
==14138== For counts of detected and suppressed errors, rerun with: -v
==14138== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
xiaoweit@andromeda-27 23:21:59 ~/253p/hw/hw2
$
```

2. Valgrind for myString

```
2. xiaoweit@andromeda-27:~/253p/hw/hw2 (ssh) — 181×43
$ valgrind ./myString
==13639== Memcheck, a memory error detector
==13639== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.
==13639== Using Valgrind-3.13.0 and LibVEX; rerun with -h for copyright info
==13639== Command: ./myString
==13639==
test_strlen pass
test_strcmp pass
test_strncmp pass
test_strcpy pass
test_strcat pass
test_strchr pass
test_strpbrk pass
test_strspn pass
test_strstr pass
test_strtok pass
==13639==
==13639== HEAP SUMMARY:
==13639== in use at exit: 72,704 bytes in 1 blocks
            total heap usage: 1 allocs, 0 frees, 72,704 bytes allocated
==13639== LEAK SUMMARY:
==13639==
             definitely lost: 0 bytes in 0 blocks
             indirectly lost: 0 bytes in 0 blocks
possibly lost: 0 bytes in 0 blocks
==13639==
==13639==
             still reachable: 72,704 bytes in 1 blocks
                  suppressed: 0 bytes in 0 blocks
==13639== Rerun with --leak-check=full to see details of leaked memory
==13639== For counts of detected and suppressed errors, rerun with: -v
==13639== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
xiaoweit@andromeda-27 23:16:21 ~/253p/hw/hw2
$
```