preethi@INLEN6239004830:~/project$ gcc -g sesb2.c

preethi@INLEN6239004830:~/project$ valgrind -v ./a.out

==110== Memcheck, a memory error detector

==110== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.

==110== Using Valgrind-3.15.0-608cb11914-20190413 and LibVEX; rerun with -h for copyright info

==110== Command: ./a.out

==110==

--110-- Valgrind options:

--110-- -v

--110-- Contents of /proc/version:

--110-- Linux version 5.10.16.3-microsoft-standard-WSL2 (oe-user@oe-host) (x86\_64-msft-linux-gcc (GCC) 9.3.0, GNU ld (GNU Binutils) 2.34.0.20200220) #1 SMP Fri Apr 2 22:23:49 UTC 2021

--110--

--110-- Arch and hwcaps: AMD64, LittleEndian, amd64-cx16-lzcnt-rdtscp-sse3-ssse3-avx-avx2-bmi-f16c-rdrand

--110-- Page sizes: currently 4096, max supported 4096

--110-- Valgrind library directory: /usr/lib/x86\_64-linux-gnu/valgrind

--110-- Reading syms from /home/preethi/project/a.out

--110-- Reading syms from /usr/lib/x86\_64-linux-gnu/ld-2.31.so

--110-- Considering /usr/lib/debug/.build-id/45/87364908de169dec62ffa538170118c1c3a078.debug ..

--110-- .. build-id is valid

--110-- Reading syms from /usr/lib/x86\_64-linux-gnu/valgrind/memcheck-amd64-linux

--110-- object doesn't have a symbol table

--110-- object doesn't have a dynamic symbol table

--110-- Scheduler: using generic scheduler lock implementation.

--110-- Reading suppressions file: /usr/lib/x86\_64-linux-gnu/valgrind/default.supp

==110== embedded gdbserver: reading from /tmp/vgdb-pipe-from-vgdb-to-110-by-preethi-on-???

==110== embedded gdbserver: writing to /tmp/vgdb-pipe-to-vgdb-from-110-by-preethi-on-???

==110== embedded gdbserver: shared mem /tmp/vgdb-pipe-shared-mem-vgdb-110-by-preethi-on-???

==110==

==110== TO CONTROL THIS PROCESS USING vgdb (which you probably

==110== don't want to do, unless you know exactly what you're doing,

==110== or are doing some strange experiment):

==110== /usr/lib/x86\_64-linux-gnu/valgrind/../../bin/vgdb --pid=110 ...command...

==110==

==110== TO DEBUG THIS PROCESS USING GDB: start GDB like this

==110== /path/to/gdb ./a.out

==110== and then give GDB the following command

==110== target remote | /usr/lib/x86\_64-linux-gnu/valgrind/../../bin/vgdb --pid=110

==110== --pid is optional if only one valgrind process is running

==110==

--110-- REDIR: 0x4022e20 (ld-linux-x86-64.so.2:strlen) redirected to 0x580c9ce2 (???)

--110-- REDIR: 0x4022bf0 (ld-linux-x86-64.so.2:index) redirected to 0x580c9cfc (???)

--110-- Reading syms from /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_core-amd64-linux.so

--110-- object doesn't have a symbol table

--110-- Reading syms from /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_memcheck-amd64-linux.so

--110-- object doesn't have a symbol table

==110== WARNING: new redirection conflicts with existing -- ignoring it

--110-- old: 0x04022e20 (strlen ) R-> (0000.0) 0x580c9ce2 ???

--110-- new: 0x04022e20 (strlen ) R-> (2007.0) 0x0483f060 strlen

--110-- REDIR: 0x401f600 (ld-linux-x86-64.so.2:strcmp) redirected to 0x483ffd0 (strcmp)

--110-- REDIR: 0x4023380 (ld-linux-x86-64.so.2:mempcpy) redirected to 0x4843a20 (mempcpy)

--110-- Reading syms from /usr/lib/x86\_64-linux-gnu/libc-2.31.so

--110-- Considering /usr/lib/debug/.build-id/18/78e6b475720c7c51969e69ab2d276fae6d1dee.debug ..

--110-- .. build-id is valid

--110-- REDIR: 0x48f2480 (libc.so.6:memmove) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1780 (libc.so.6:strncpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f27b0 (libc.so.6:strcasecmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f10a0 (libc.so.6:strcat) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f17e0 (libc.so.6:rindex) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f3c50 (libc.so.6:rawmemchr) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490ece0 (libc.so.6:wmemchr) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490e820 (libc.so.6:wcscmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f25e0 (libc.so.6:mempcpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2410 (libc.so.6:bcmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1710 (libc.so.6:strncmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1150 (libc.so.6:strcmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2540 (libc.so.6:memset) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490e7e0 (libc.so.6:wcschr) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1670 (libc.so.6:strnlen) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1230 (libc.so.6:strcspn) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2800 (libc.so.6:strncasecmp) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f11d0 (libc.so.6:strcpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2950 (libc.so.6:memcpy@@GLIBC\_2.14) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490ff50 (libc.so.6:wcsnlen) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490e860 (libc.so.6:wcscpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1820 (libc.so.6:strpbrk) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1100 (libc.so.6:index) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1630 (libc.so.6:strlen) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48fabb0 (libc.so.6:memrchr) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2850 (libc.so.6:strcasecmp\_l) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f23d0 (libc.so.6:memchr) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x490e930 (libc.so.6:wcslen) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f1ae0 (libc.so.6:strspn) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f2750 (libc.so.6:stpncpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f26f0 (libc.so.6:stpcpy) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f3c90 (libc.so.6:strchrnul) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x48f28a0 (libc.so.6:strncasecmp\_l) redirected to 0x48311d0 (\_vgnU\_ifunc\_wrapper)

--110-- REDIR: 0x49da500 (libc.so.6:\_\_strrchr\_avx2) redirected to 0x483ea10 (rindex)

--110-- REDIR: 0x48ec0e0 (libc.so.6:malloc) redirected to 0x483b780 (malloc)

--110-- REDIR: 0x48f1fa0 (libc.so.6:\_\_GI\_strstr) redirected to 0x4843ca0 (\_\_strstr\_sse2)

--110-- REDIR: 0x48ec6d0 (libc.so.6:free) redirected to 0x483c9d0 (free)

--110-- REDIR: 0x49d5bd0 (libc.so.6:\_\_strcmp\_avx2) redirected to 0x483fed0 (strcmp)

--110-- REDIR: 0x49d6530 (libc.so.6:\_\_memchr\_avx2) redirected to 0x4840050 (memchr)

--110-- REDIR: 0x49dd6e0 (libc.so.6:\_\_memcpy\_avx\_unaligned\_erms) redirected to 0x48429f0 (memmove)

--110-- REDIR: 0x49d70a0 (libc.so.6:\_\_strcasecmp\_avx) redirected to 0x483f830 (strcasecmp)

--110-- REDIR: 0x49dbc10 (libc.so.6:\_\_strcpy\_avx2) redirected to 0x483f090 (strcpy)

--110-- REDIR: 0x49da6d0 (libc.so.6:\_\_strlen\_avx2) redirected to 0x483ef40 (strlen)

--110-- REDIR: 0x49dd6c0 (libc.so.6:\_\_mempcpy\_avx\_unaligned\_erms) redirected to 0x4843660 (mempcpy)

==110==

==110== HEAP SUMMARY:

==110== in use at exit: 0 bytes in 0 blocks

==110== total heap usage: 18 allocs, 18 frees, 41,112 bytes allocated

==110==

==110== All heap blocks were freed -- no leaks are possible

==110==

==110== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)