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mkharaev@andromeda-21 08:55:53 ~/hw/hw9
$ g++ -std=c++11 main.cpp -o main
mkharaev@andromeda-21 08:56:05 ~/hw/hw9
$ main
mkharaev@andromeda-21 08:56:07 ~/hw/hw9
$ valgrind main
==15481== Memcheck, a memory error detector
==15481== Copyright (C) 2002-2015, and GNU GPL'd, by Julian Seward et al.
==15481== Using Valgrind-3.11.0 and LibVEX; rerun with -h for copyright info
==15481== Command: main
==15481==
==15481== Invalid read of size 4
==15481== at 0x4012A8: main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}):operator() (std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&) const (in /home/mkharaev/hw/hw9/main)
==15481== by 0x4010DF: main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}) std::for_each<MapArray<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int>::iterator, main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3})>(MapArray<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int>::iterator, main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}), main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}), main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3})) (in /home/mkharaev/hw/hw9/main)
==15481== by 0x401482: main (in /home/mkharaev/hw/hw9/main)
==15481== Address 0x5aa6128 is 24 bytes after a block of size 48 in arena "client"
==15481==
==15481== Invalid read of size 8
==15481== at 0xEE2D60: std::basic_ostream<char, std::char_traits<char> >::std::operator<< <char, std::char_traits<char>, std::allocator<char> >>(std::basic_ostream<char, std::char_traits<char> > &, std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}) std::for_each<std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})>(std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})>(std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2}), main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})) (in /home/mkharaev/hw/hw9/main)
==15481== by 0x401491: main (in /home/mkharaev/hw/hw9/main)
==15481==
==15481== Invalid read of size 8
==15481== at 0xEE2D64: std::basic_ostream<char, std::char_traits<char> >::std::operator<< <char, std::char_traits<char>, std::allocator<char> >>(std::basic_ostream<char, std::char_traits<char> > &, std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}) std::for_each<std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})>(std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})>(std::istream_iterator<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, char, std::char_traits<char>, long>, main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2}), main:(lambda(std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> > const&){2})) (in /home/mkharaev/hw/hw9/main)
==15481== by 0x401491: main (in /home/mkharaev/hw/hw9/main)
==15481==
==15481== Syscall param writev(vector[...]) points to unaddressable byte(s)
==15481== at 0x7B6617: writev (in /usr/lib64/libc-2.17.so)
==15481== by 0x4EE2894: xvwrite (basic_file.cc:154)
==15481== by 0x4EE2894: std::basic_filebuf<char, std::char_traits<char> >::xspuwn(char const*, long) (basic_file.cc:307)
==15481== by 0x4F1A3A1: std::basic_filebuf<char, std::char_traits<char> >::xspuwn(char const*, long) (fstream.cc:747)
==15481== by 0x4F3CBED: sputn (streambuf.h:451)
==15481== by 0x4F3CBED: _ostream::write(char, std::char_traits<char> > (ostream.insert.h:50)
==15481== by 0x4F3CBED: std::basic_ostream<char, std::char_traits<char> >::std::ostream::insert(char, std::char_traits<char> >(std::basic_ostream<char, std::char_traits<char> > &, char const*, 1) (ostream.insert.h:101)
==15481== by 0x4012C3: main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}):operator() (std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&) const (in /home/mkharaev/hw/hw9/main)
==15481== by 0x4010DF: main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}) std::for_each<MapArray<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int>::iterator, main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3})>(MapArray<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int>::iterator, main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3}), main:(lambda(std::pair<std:: _cxx11::basic_string<char, std::char_traits<char>, std::allocator<char> >, int> const&){3})) (in /home/mkharaev/hw/hw9/main)
==15481== by 0x401482: main (in /home/mkharaev/hw/hw9/main)
==15481== Address 0xb is not stack'd, malloc'd or (recently) free'd
==15481==
==15481==
==15481== HEAP SUMMARY:
==15481== in use at exit: 72,744 bytes in 2 blocks
==15481== total heap usage: 782 allocs, 780 frees, 129,984 bytes allocated
==15481==
==15481== LEAK SUMMARY:
==15481== definitely lost: 40 bytes in 1 blocks
==15481== indirectly lost: 0 bytes in 0 blocks
==15481== possibly lost: 0 bytes in 0 blocks
==15481== still reachable: 72,704 bytes in 1 blocks
==15481== suppressed: 0 bytes in 0 blocks
==15481== Rerun with --leak-check=full to see details of leaked memory
==15481==
==15481== For counts of detected and suppressed errors, rerun with: -v
==15481== ERROR SUMMARY: 1157 errors from 4 contexts (suppressed: 0 from 0)
mkharaev@andromeda-21 08:56:13 ~/hw/hw9
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