## Valgrind report

Valgrind is an open-source memory access error and leak detection tool. An optimization level of 1 is generally faster than level 0, although it can cause incorrect line numbers to be reported. An optimization level higher than 1 can cause spurious uninitialised-value errors to be reported

## How to compile code for valgrind?

\$ g++ main.cpp -o final

## How to run a program under valgrind

\$ valgrind ./final

## Sample output report of valgrind

```
shikha@DESKTOP-8UFNL3F:~/binary_buddy$ nano Makefile
shikha@DESKTOP-8UFNL3F:~/binary_buddy$ valgrind ./final
--685--- Memcheck, a memory error detector
--685--- Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.
--685--- Using Valgrind-3.18.1 and LibVEX; rerun with -h for copyright info
--685--- Command: ./final
--685---
--685--- error calling PR_SET_PTRACER, vgdb might block

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The Amount of memory we reserve will be in power of 2°x (For Example: 2°10 = 1024)
Enter the value of x (x<32):
```