碩0面試作業-葉秉豐

你的作業的功能大致上正確,以下是給你的一些作業建議:

- 1. 測試部分建議使用C++常用的框架,如Google Test等,可以用來撰寫預期結果來比對你的程式的實際結果。
- 2. 參數或變數盡量以有意義的名稱命名, 提高程式的可讀性, 例如下圖中的d。

- 3. 選擇Exit時應該會輸出一行Goodbye, thanks for using LS., 你的程式中並未印出。
- 4. 在你的程式中, 我們有檢測到memory leak, 這會令電腦可用的記憶體變少而導致電腦的效能變差。你可以利用相關工具比如Valgrind對這個部分研究跟改進。

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==19376== Mismatched new/delete size value: 32
==19376== at 0x484ASB9: operator delete(void*, unsigned long) (in /usr/libexec/valgrind/vgpre load_memcheck-amd64-linux.so)
==19376== by 0x110AB6: LogicSimulator::clearDevice() (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10C05E: TextUI::Exit() (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10C05E: TextUI::processCommand(int) (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10B9946: main (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== Address 0x4e22c50 is 0 bytes inside a block of size 40 alloc'd
==19376== by 0x10FEAA: LogicSimulator::initDevice(int, int) (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10FEAA: LogicSimulator::initDevice(int, int) (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10C034: TextUI::loadFile() (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10C034: TextUI::processCommand(int) (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== by 0x10B0946: main (in /mnt/d/autoTest/logic-simulator-auto-test/src/main.exe)
==19376== https://deletator.org/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/string/strin
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