**Memory Leak Checker for Visual Studio**

Valgrind does not work with Visual Studio, however you can use the CrtDebug interface which is built into Visual Studio. You can use the mem_debug.h header file (provided in CS485_Student_Examples\MemDebug).

Include mem_debug.h as the first header file in your driver *and any other cpp file you want to check for memory errors*!

When you want to turn on memory leak detection include

**`#define MEM_DEBUG`**

immediately before including **mem_debug.h** and add the line

**`_CrtSetDbgFlag(_CRTDBG_ALLOC_MEM_DF | _CRTDBG_LEAK_CHECK_DF);`**

as the first line in main() [even before any variable declarations].

See memTest.cpp for an example.

You only get to see memory checking results when you run through the debugger.

https://msdn.microsoft.com/en-us/library/x98tx3cf(v=vs.140).aspx