Find problems memory problems with valgrind:

Install valgrind via you package manager. On a debian based distro you can enter “apt-get install valgrind” as root

To detect memory leaks and pointer problems enter following command valgrind path-to-program

To profile a program enter this command: valgrind --tool=callgrind path-to-program . This would make a file called callgrind.out. This file can be viewed in kcachegrind. Kcachegrind can be installed via you distro if you use Linux or via kde windows installer found at <http://windows.kde.org/>

To integrate valgrin into eclipse see

<http://wiki.eclipse.org/Linux_Tools_Project/Valgrind/User_Guide>

<http://ldn.linuxfoundation.org/node/20838>

<http://wiki.eclipse.org/Linux_Tools_Project/PluginInstallHelp#Installing_Updates_From_the_Linux_Tools_Update_Site>