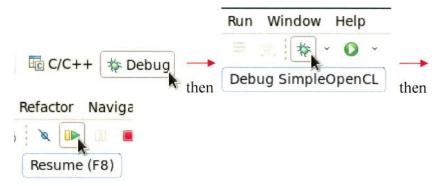
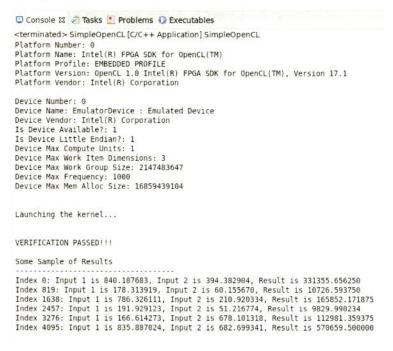
Step 3. Run and debug the kernel

- Right-click the project name in the Project Navigator pane and select Clean Project, then Build Project to compile the project.
- Correct any errors that result from the compilation in your code until the build is completed.
- 23. Run the program. Switch to the **Debug** perspective in Eclipse by clicking the button that says Debug at the top right. Then, click the bug icon near the **Window** menu item, then the green triangle with the yellow vertical bar beside it.



_ 4. When the program runs, you should see performance results in the Console tab, as well as the "VERIFICATION PASSED!!!" message, along with some samples of results.

The Verification Passed message means the contents of Z and CalcZ are the same. You can also verify that the sample of results matches the math operation you've performed.



5. If you have run-time errors or the verification fails, use breakpoints and stepping to debug your host program. To debug your kernel, you can add printf statements within it, which will print out to the console. Remember to compile your kernel in the terminal with aoc if you change it.