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Introducing QtSPIM

https://github.com/angel-vlzqz/Computer-Architecture - github link to CST-307 repo

Installing QtSPIM was a simple procedure. The directions were straightforward, I did not have any difficulties downloading QtSPIM. However, I did have to override Apple's default security parameters because I was downloading an application from the web. My OS read it as "unverified". I assisted other classmates running MacOS to help them override the same security issues.

The test programs needed to be clearer to run. I wasn't sure how to load or execute a test program, but I simply gave the application the path to find the test files on my system, and understanding that made the learning curve easier. When I would run the programs, I would notice the registers on the left-hand side turn red, which meant that their states were altered during the execution of the Assembly instructions.

I experimented with single stepping and the breakpoint feature within QtSPIM and found them incredibly helpful in looking at what the registers are filled with at every step.

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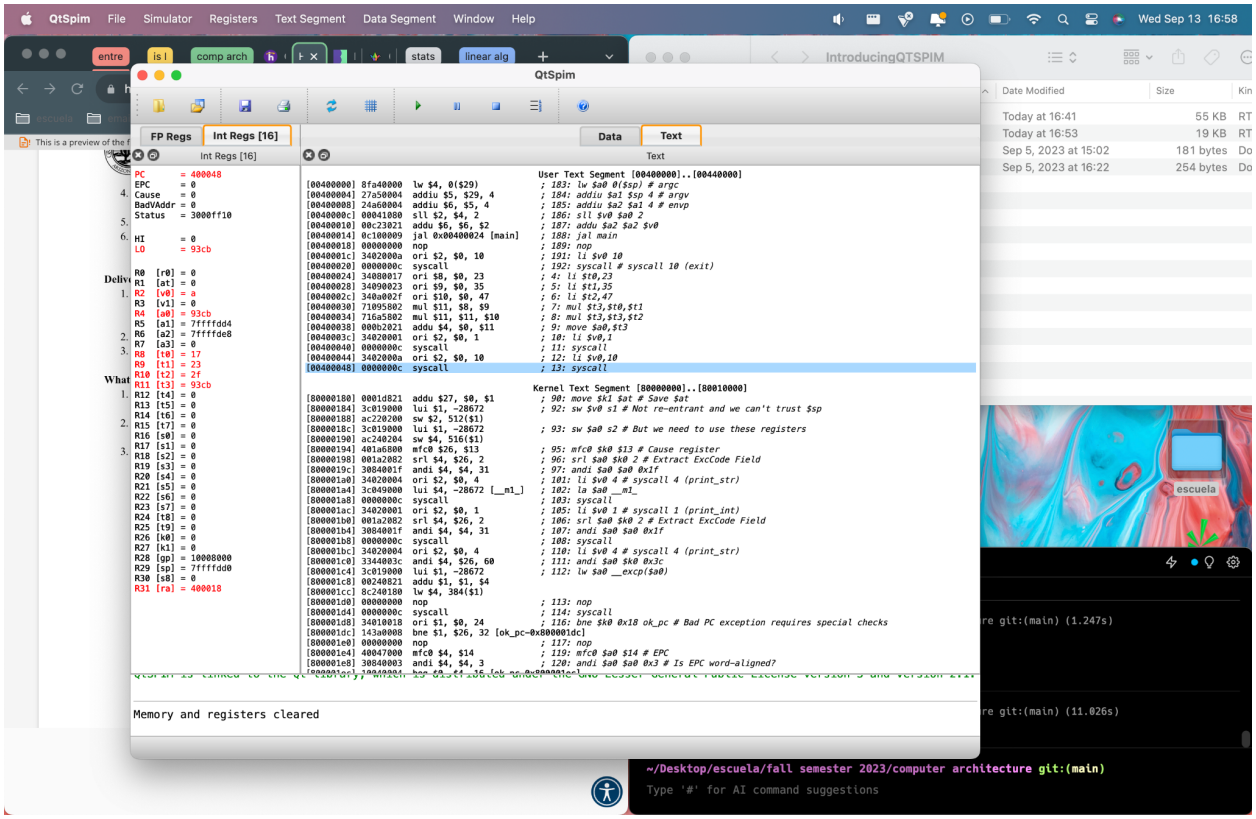
Successful Installation



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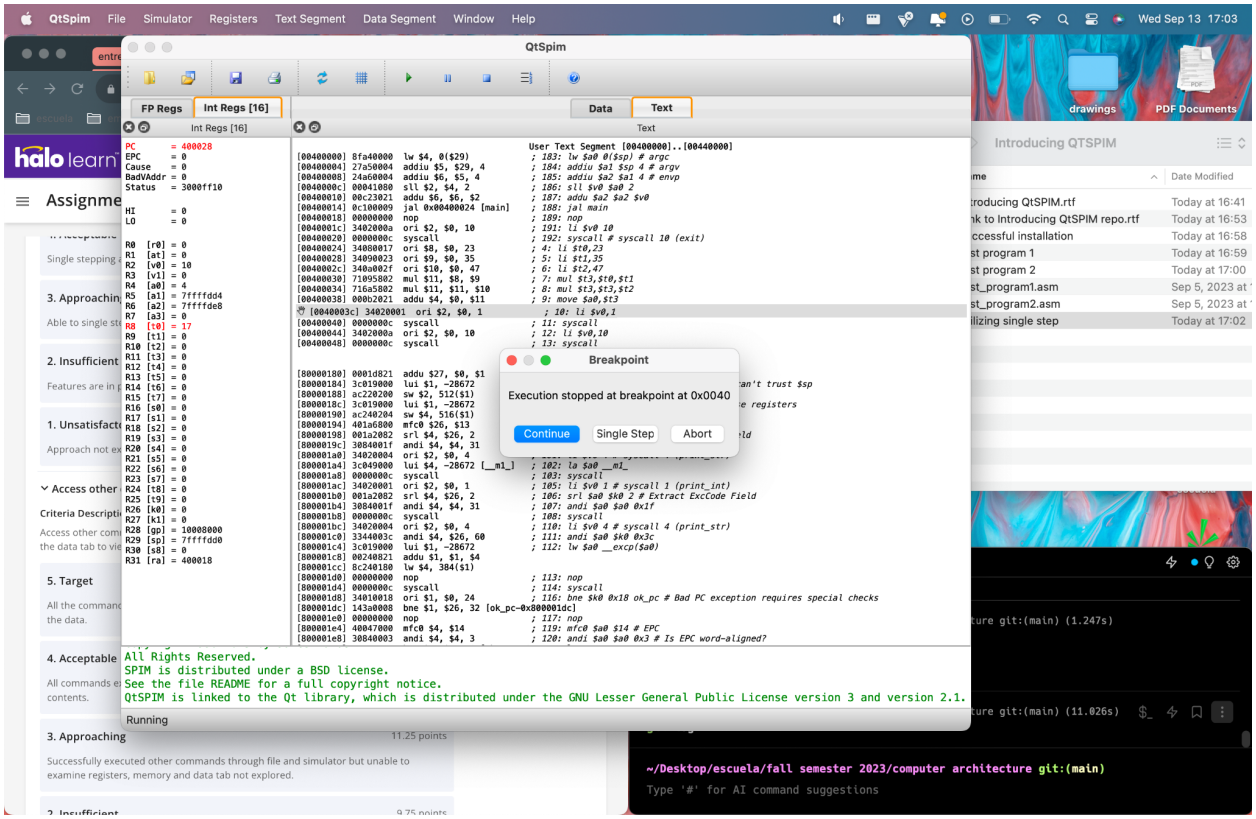
Utilizing Breakpoints



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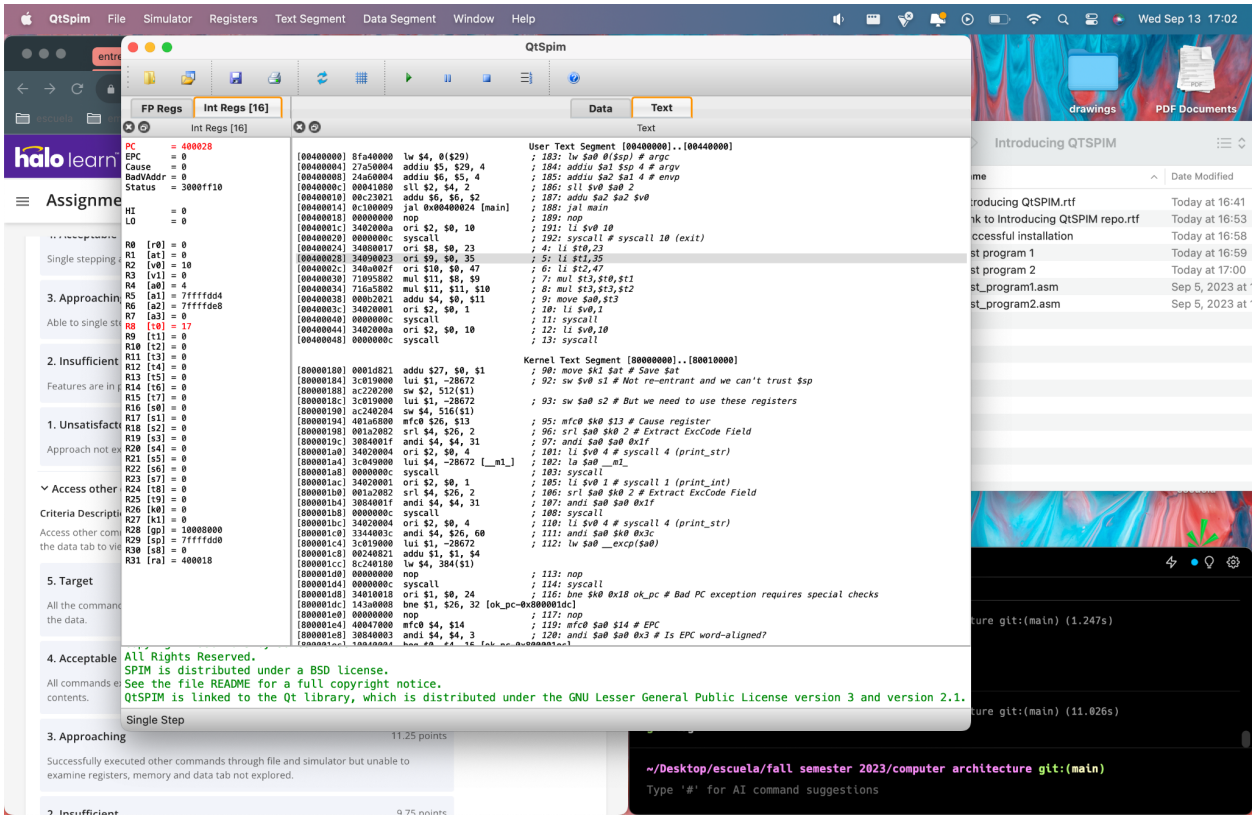
Utilizing Single Step



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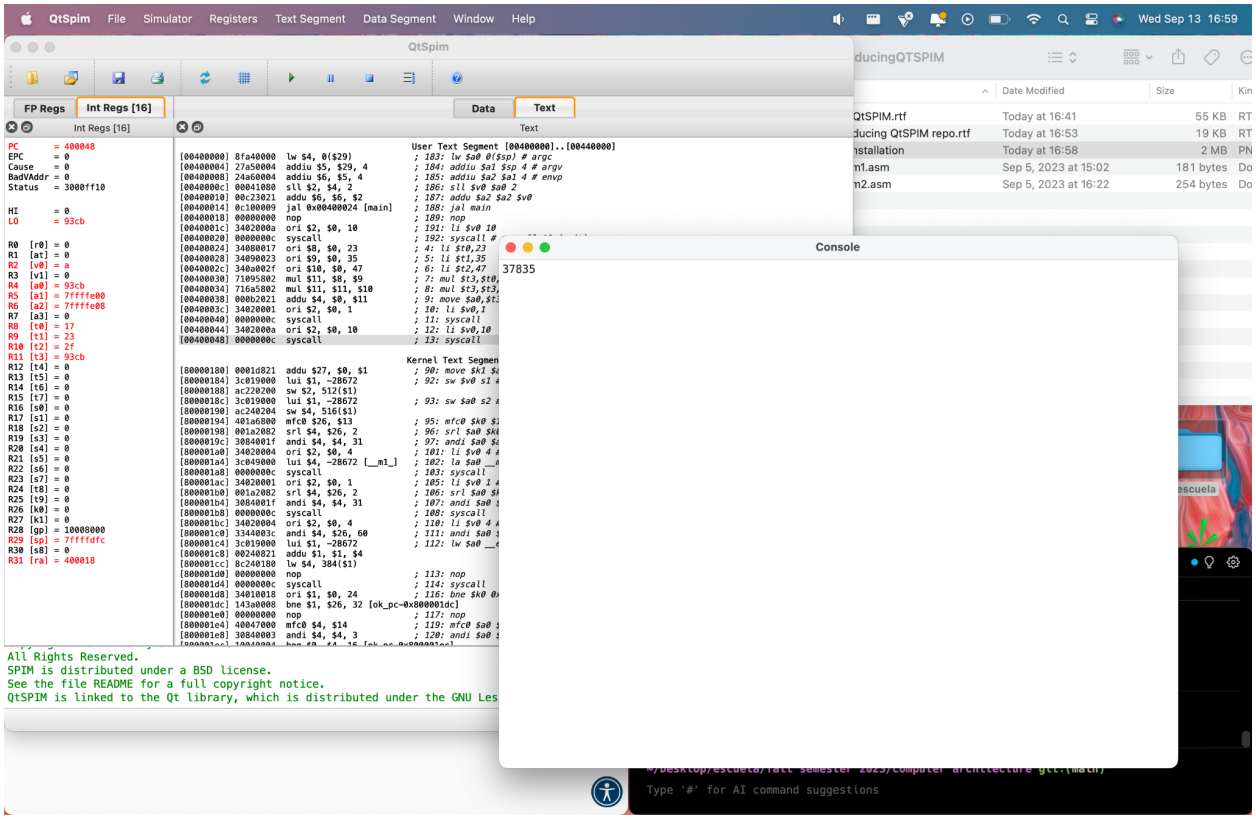
Test Program 1



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Test Program 2