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cse121
Lab 2 report
Due: 4/12/2023

2.1

The gdbinit file sets breakpoints at the compute function, when we run in gdb then check the registers at the breakpoints we can see that the values stored in a0, a1, a2 are the values we are looking for.

Compute 1st argument is 33
Compute 2nd argument is 0
Compute 3rd argument is 4

2.2
Chatgpt query:

"Write c code for the shtc3 on an esp32c3 that reads temperature and humidity once every 2 seconds"

- The code generated from this query was missing an i2c_cmd_link_delete() function after reading the command
- the conversion from raw binary data to readable output data had to be adjusted.
- I had to write my own celsius to fahrenheit conversion.
- Clock and data pins were set wrong and had to be changed