Lab 4 Report

Part 1:

I used the i2ctools template. I used i2c_read_register_16 to read accelerometer data from ICM-42670-P. We print UP/DOWN/LEFT/RIGHT based on the sign of the x and y coordinate values.

Part 2:

I used the ble hidd demo template. I used esp_hidd_send_mouse_value to make the mouse flick back and forth.

Part 3:

I used i2c_read_register_16 to read accelerometer data and send it to esp_hidd_send_mouse_value to make the mouse move and click.

I didn't prompt chat gpt, I only used documentation.