UCSD Embedded C Assignment 1

By
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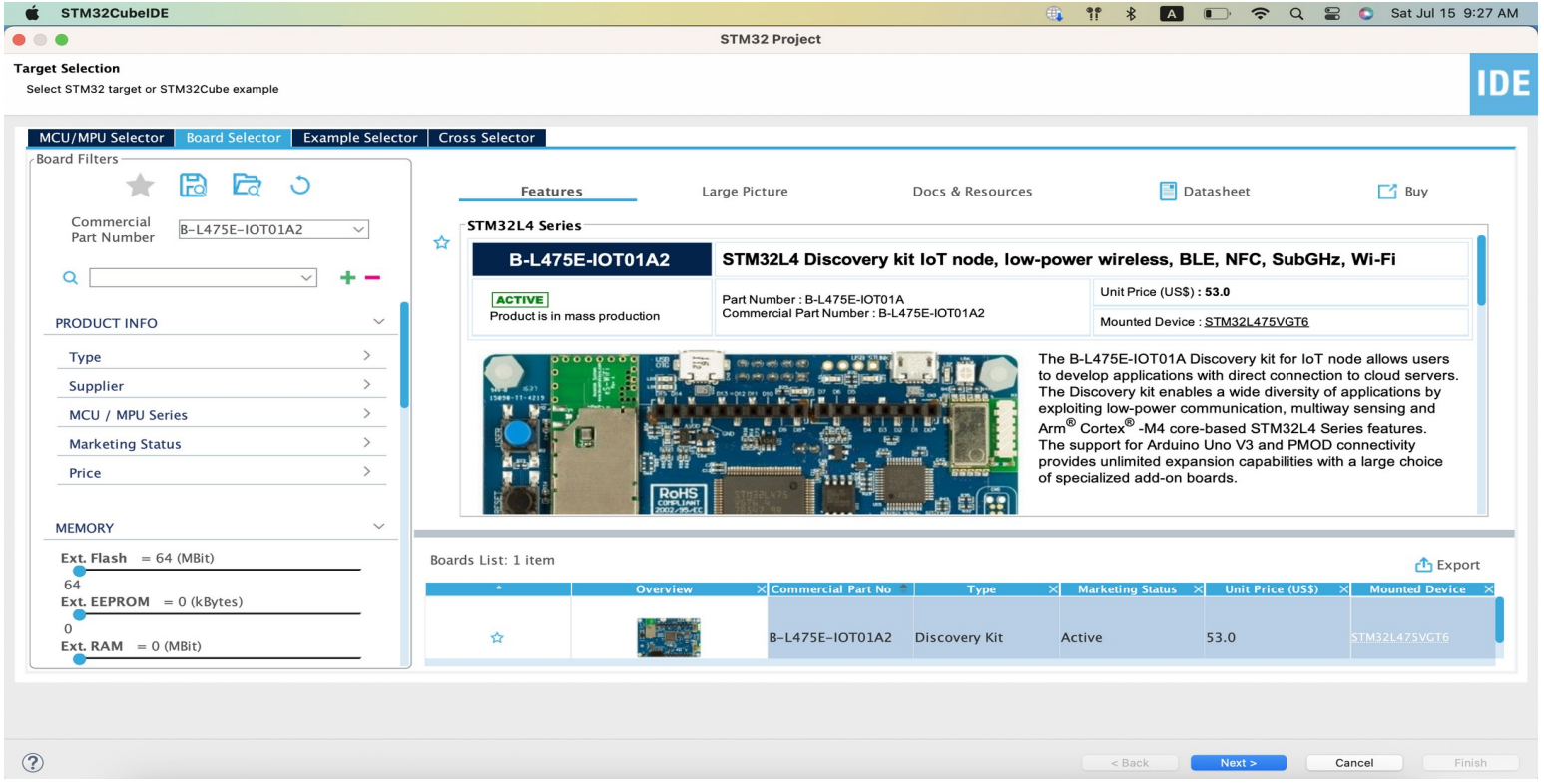
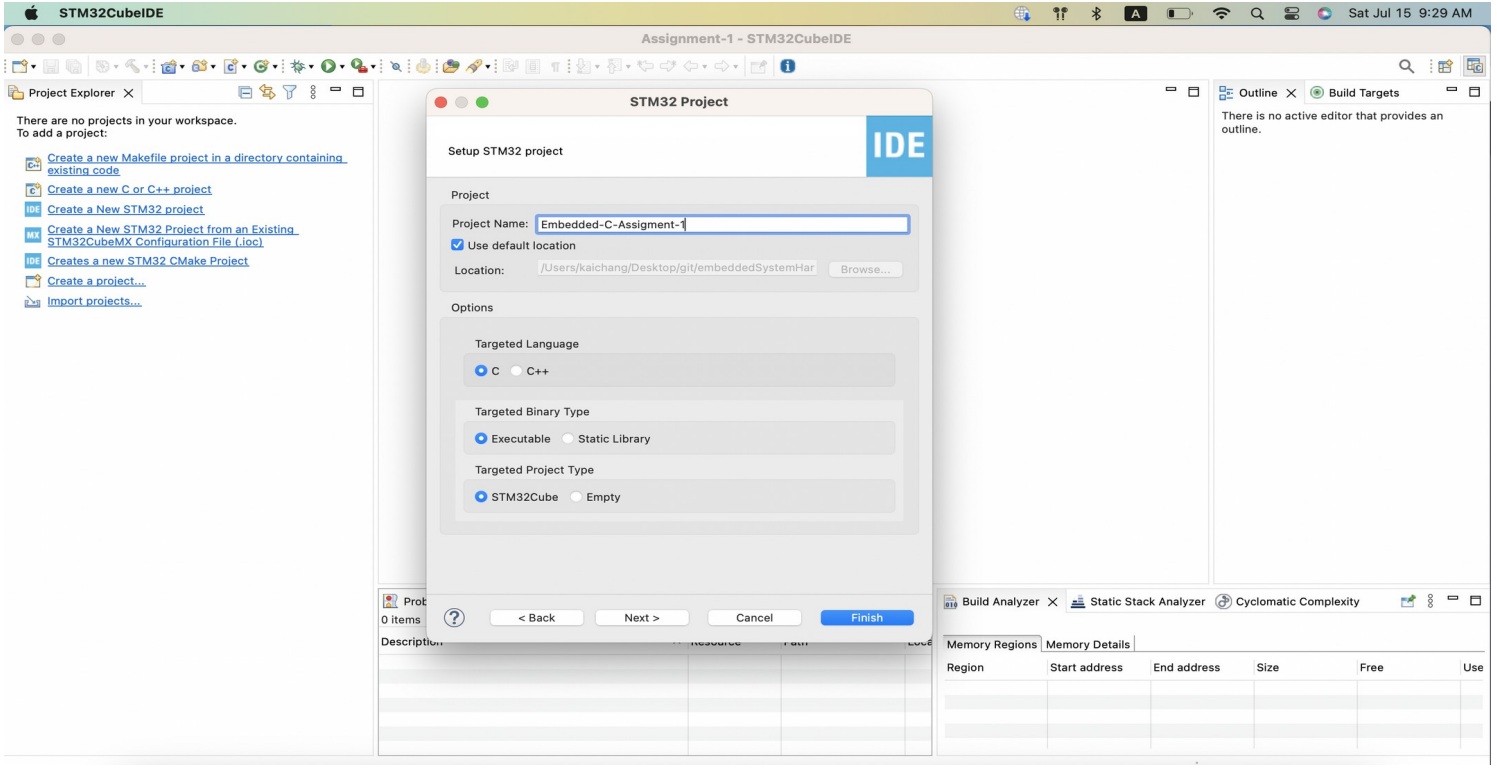
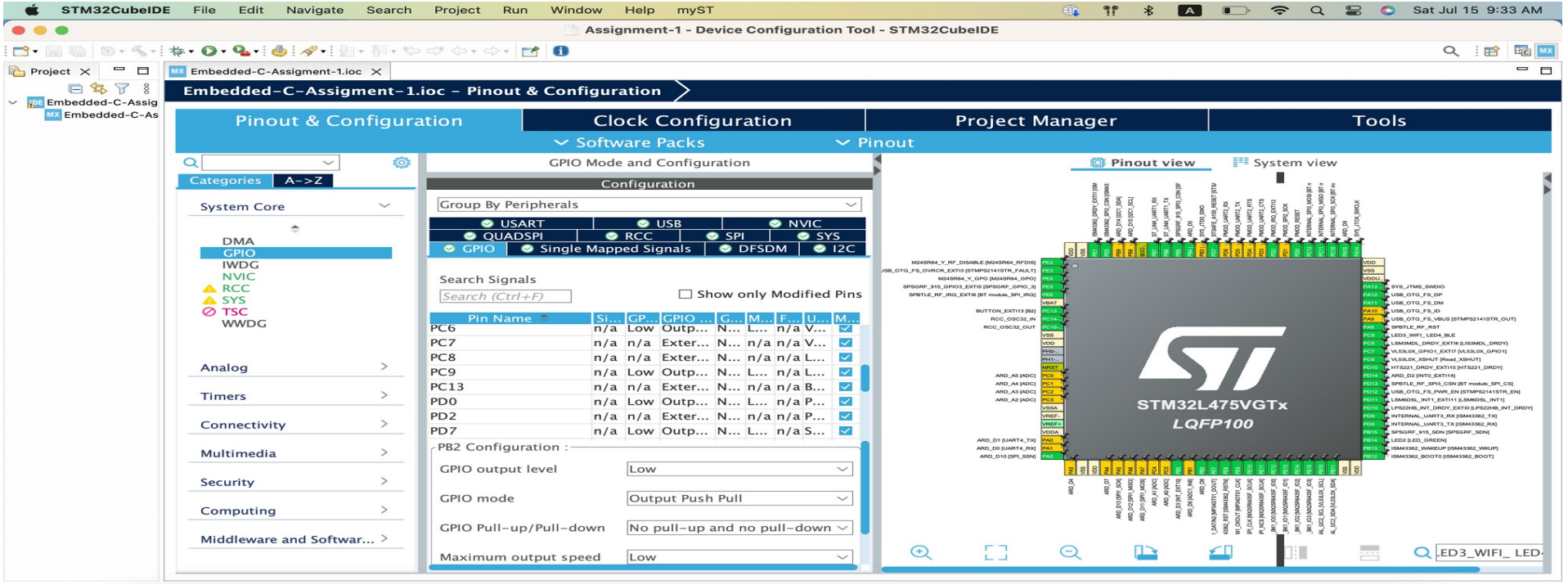
1. Startup STM32Cube IDE and select the correct board



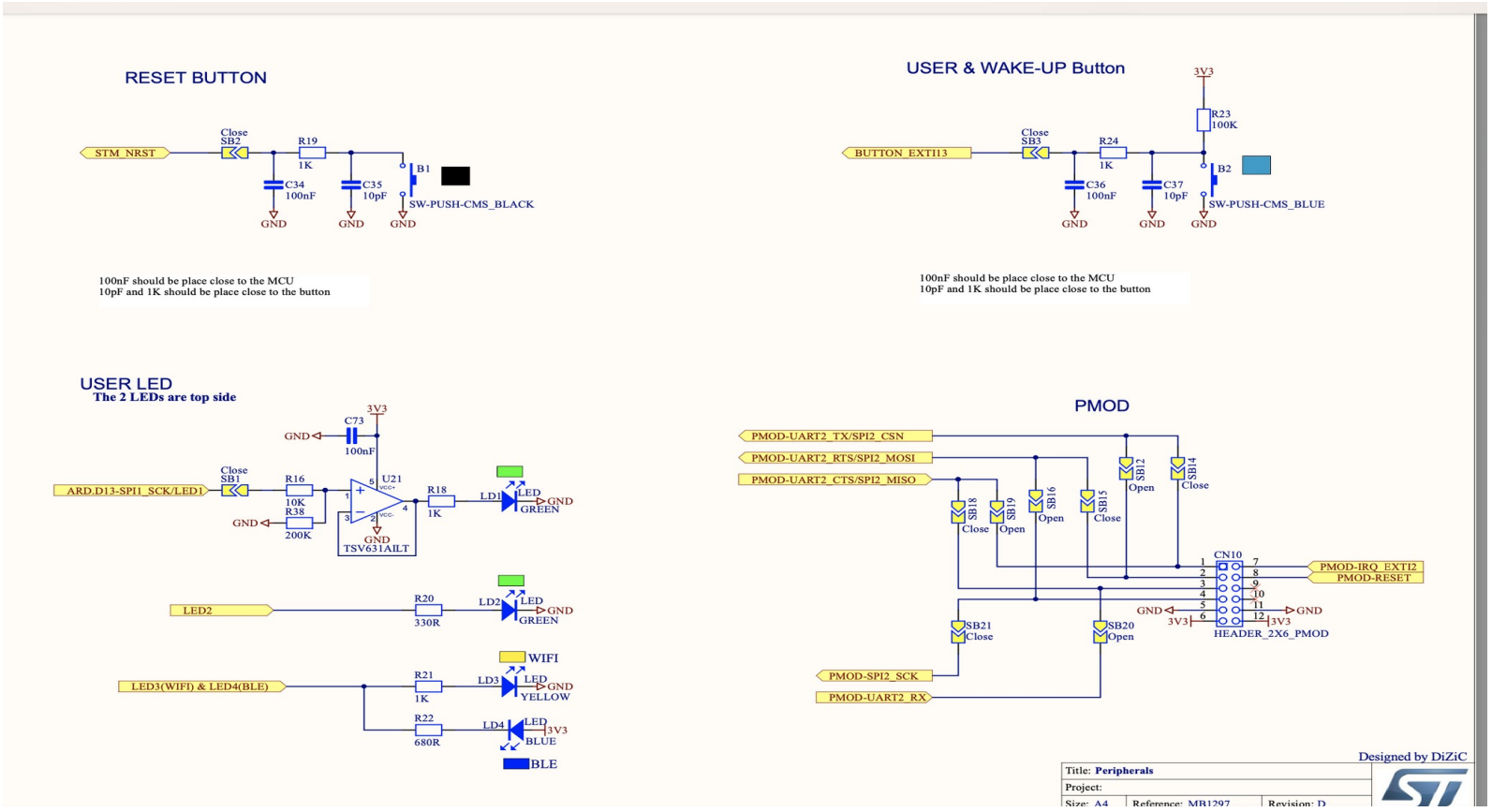
2. Enter project name and click finish to generate ioc file



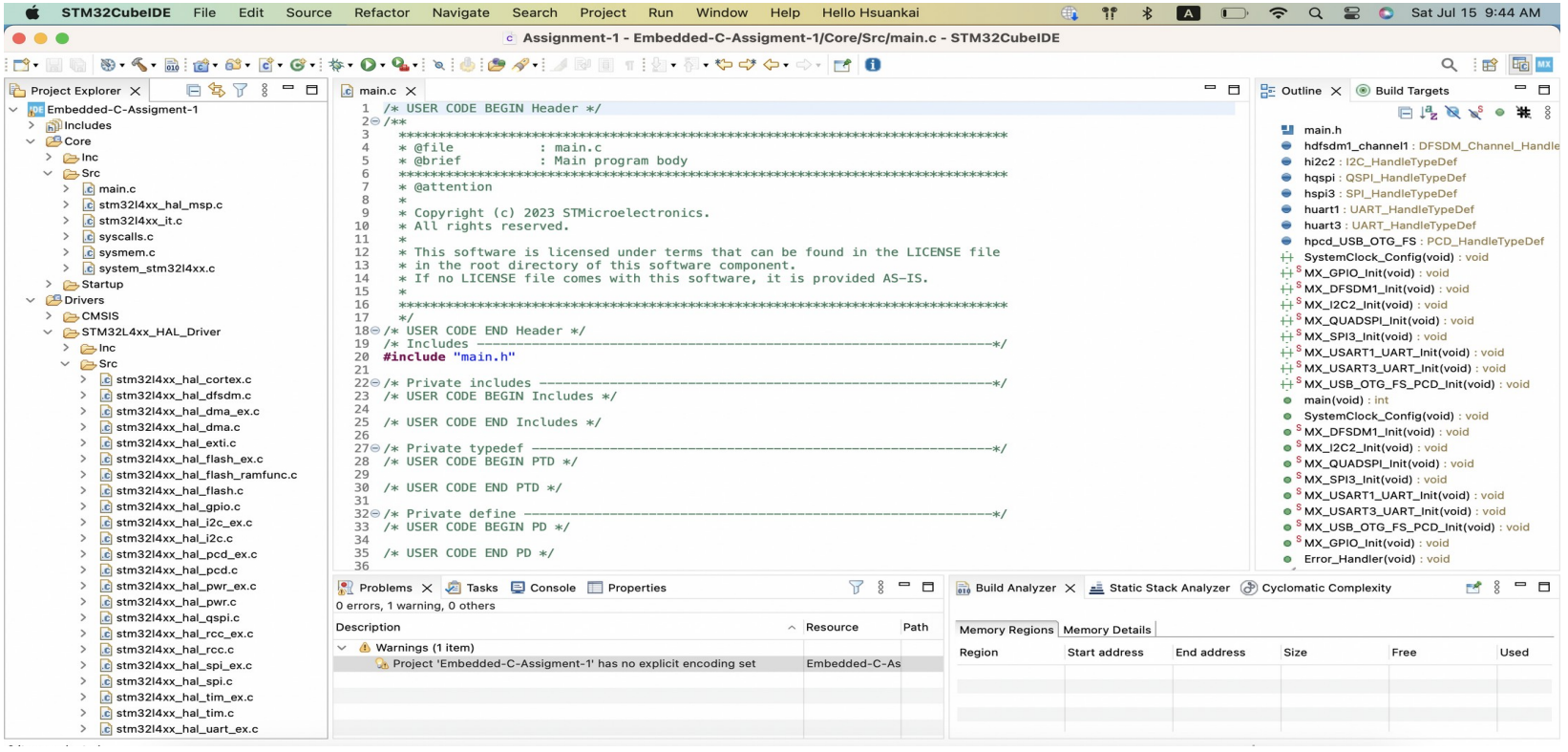
3. In the ioc file, double check the pin configuration for button interrupt, LED2 and LED3, then generate code



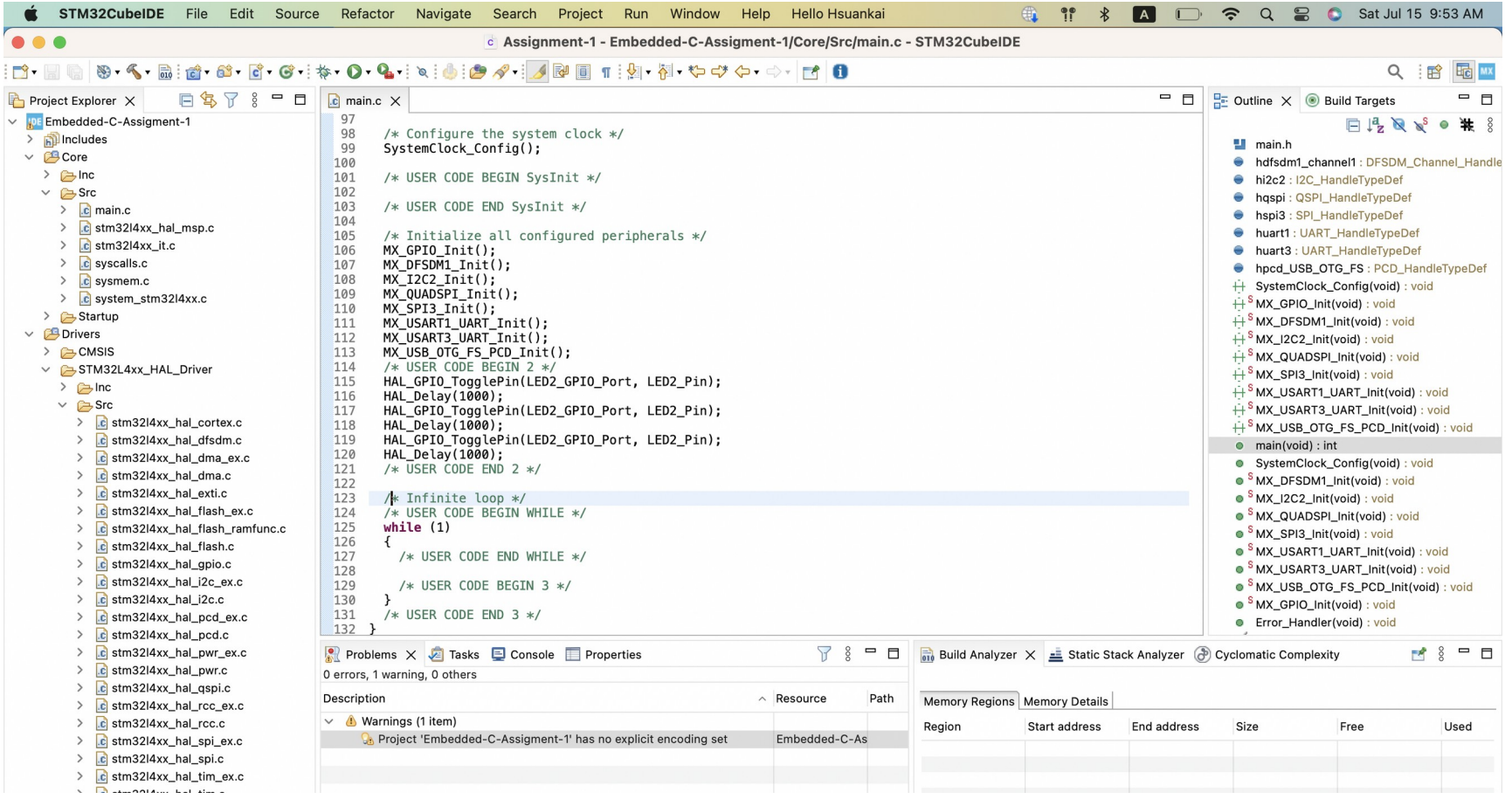
4. Double check the pin number and configuration for push button and LED in the schematic



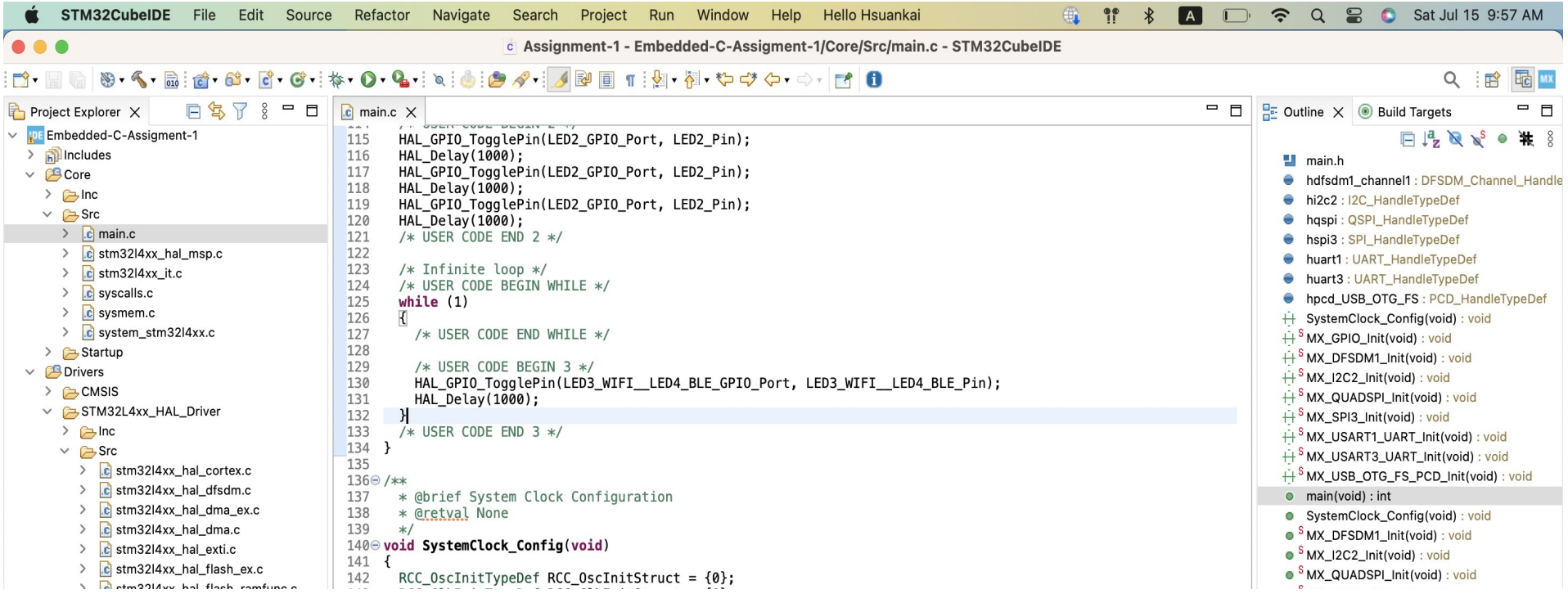
5. Reviewing the file structure when code is generated



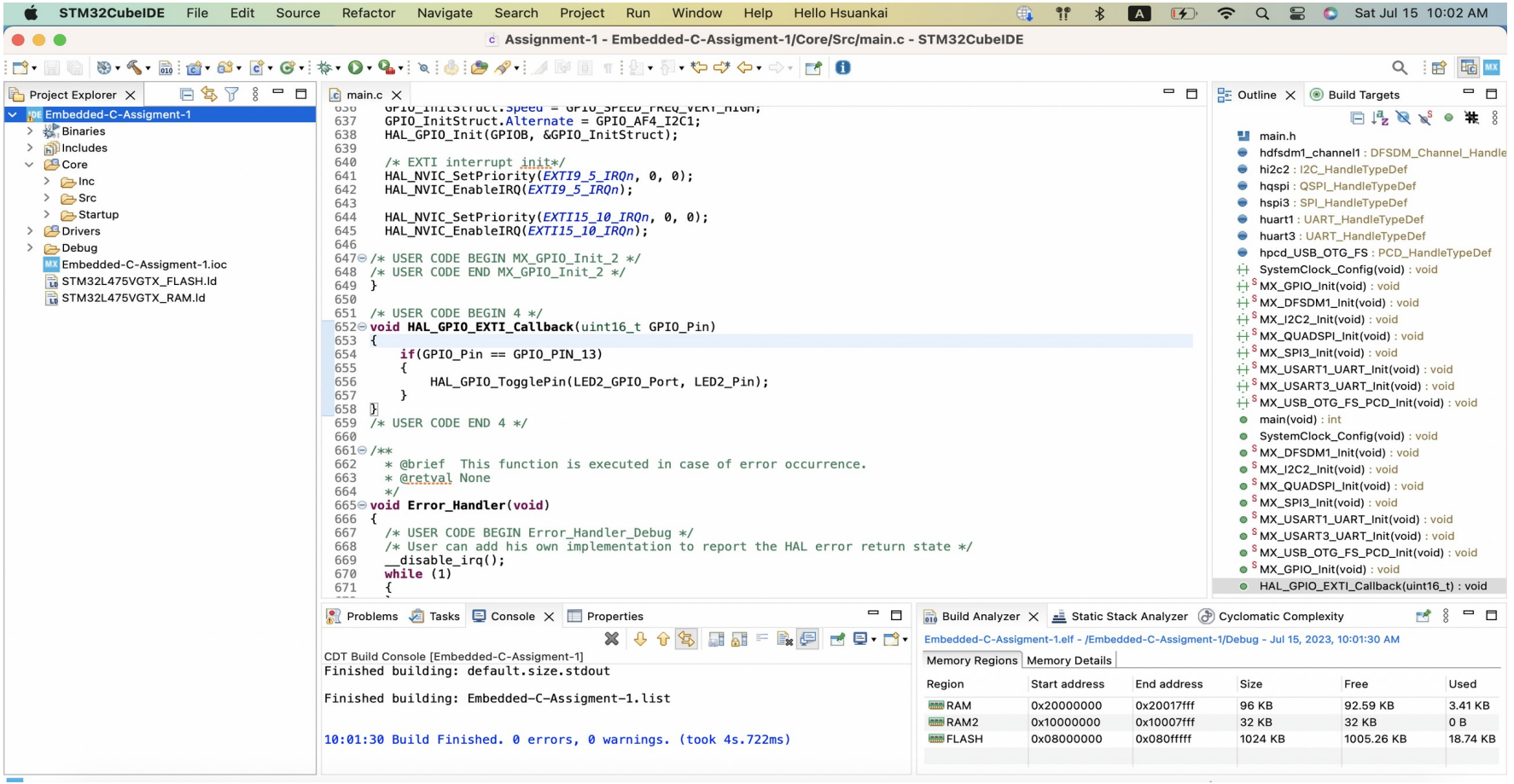
6. Code to blink LED2 three times at startup at a 1 second rate



7. After blinking LED2 from the previous step, blinks the Wifi and BLE LED on/off at a 1 second on/off rate "forever".

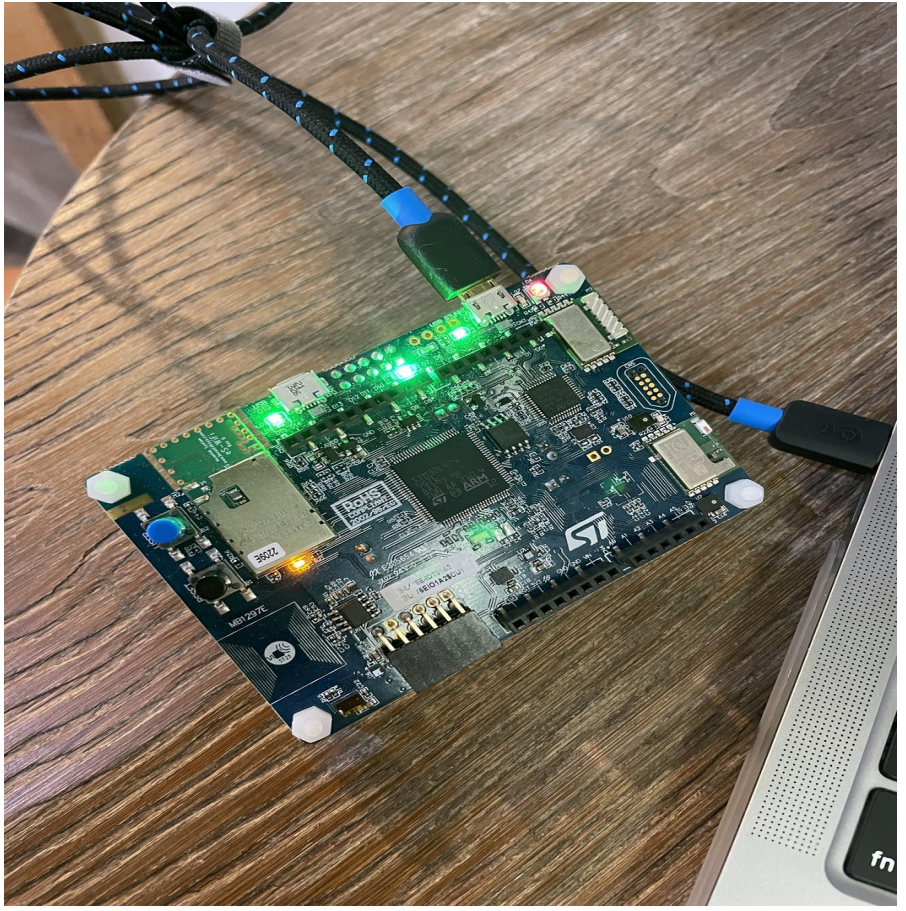


8. Pressing the Blue button should generate an interrupt that toggles the LED on/off



9. Build the project and flash on the board, result is successful. First shows that bluetooth button is on

10. Second, shows that WIFI button is on



11. Finally, press the user button, and we can toggle LED2