UCSD Embedded C Assignment 7

By

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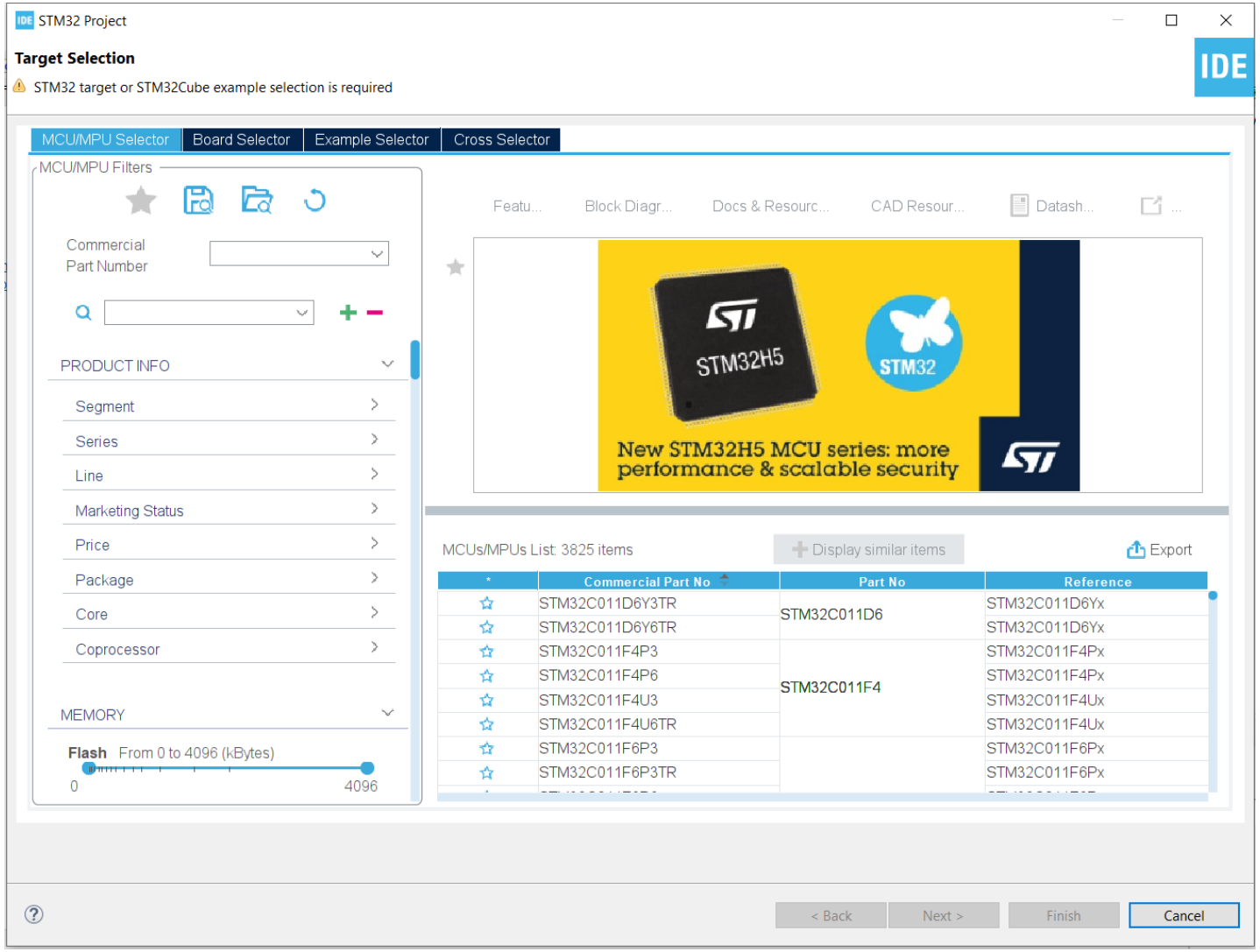
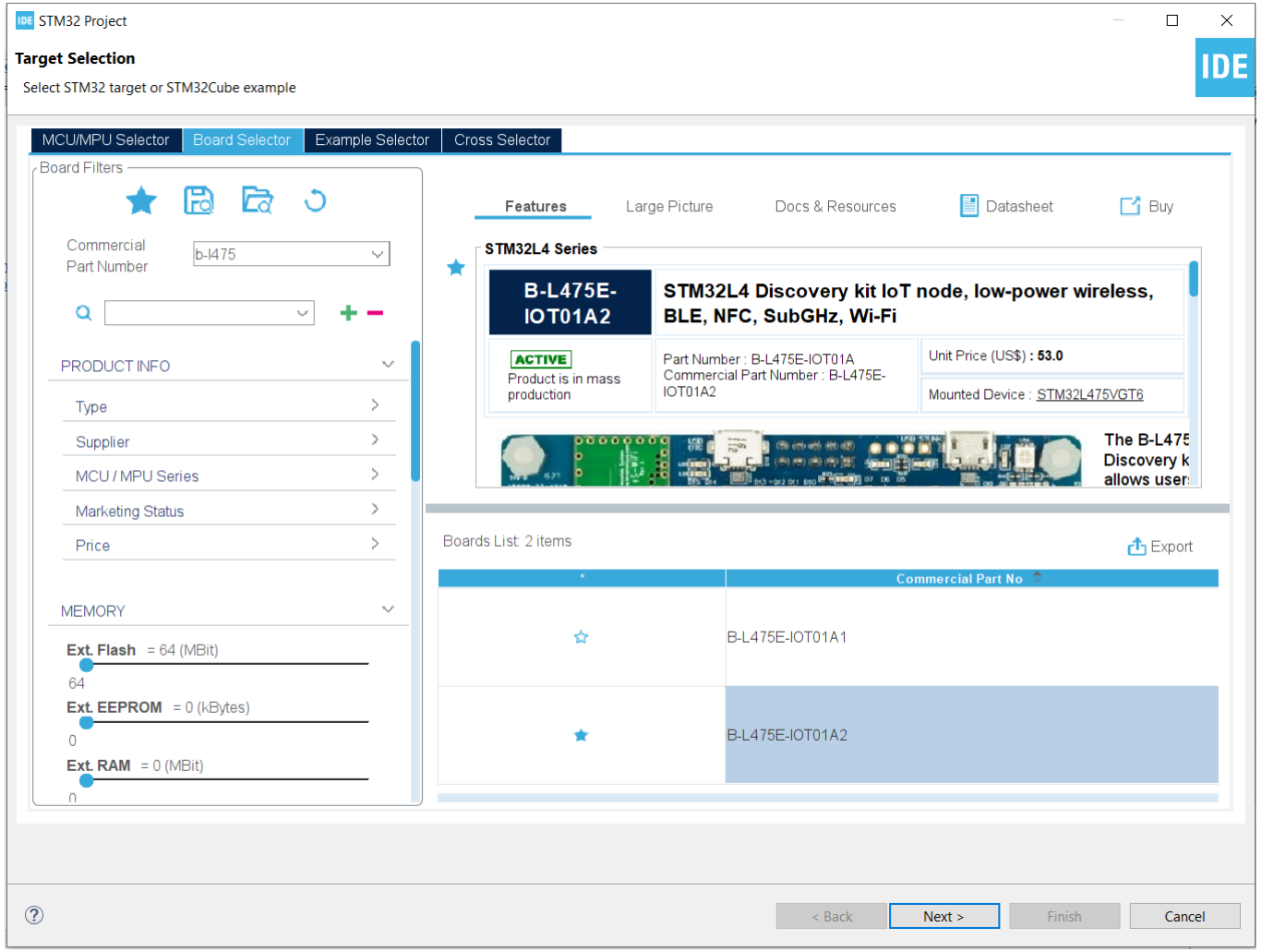
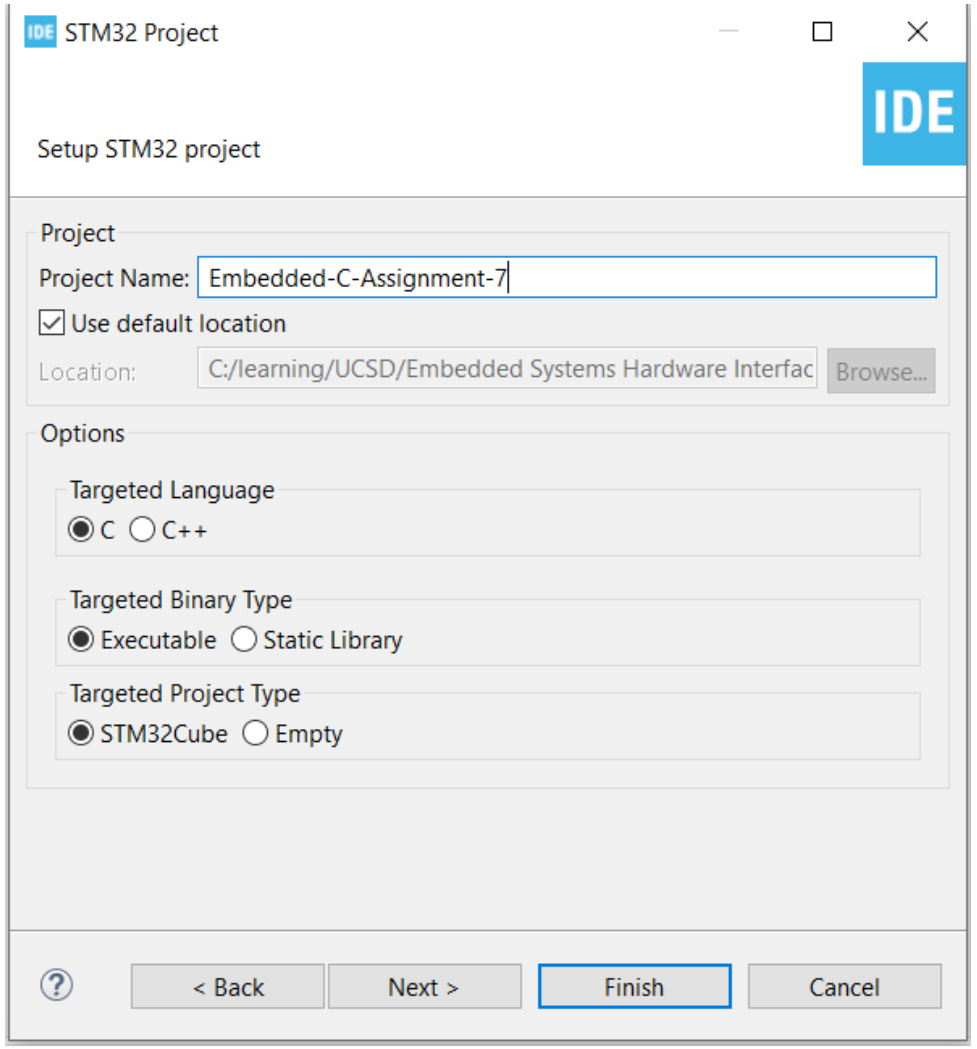
Step 1. Startup STM32CubeIDE and create new STM32 project



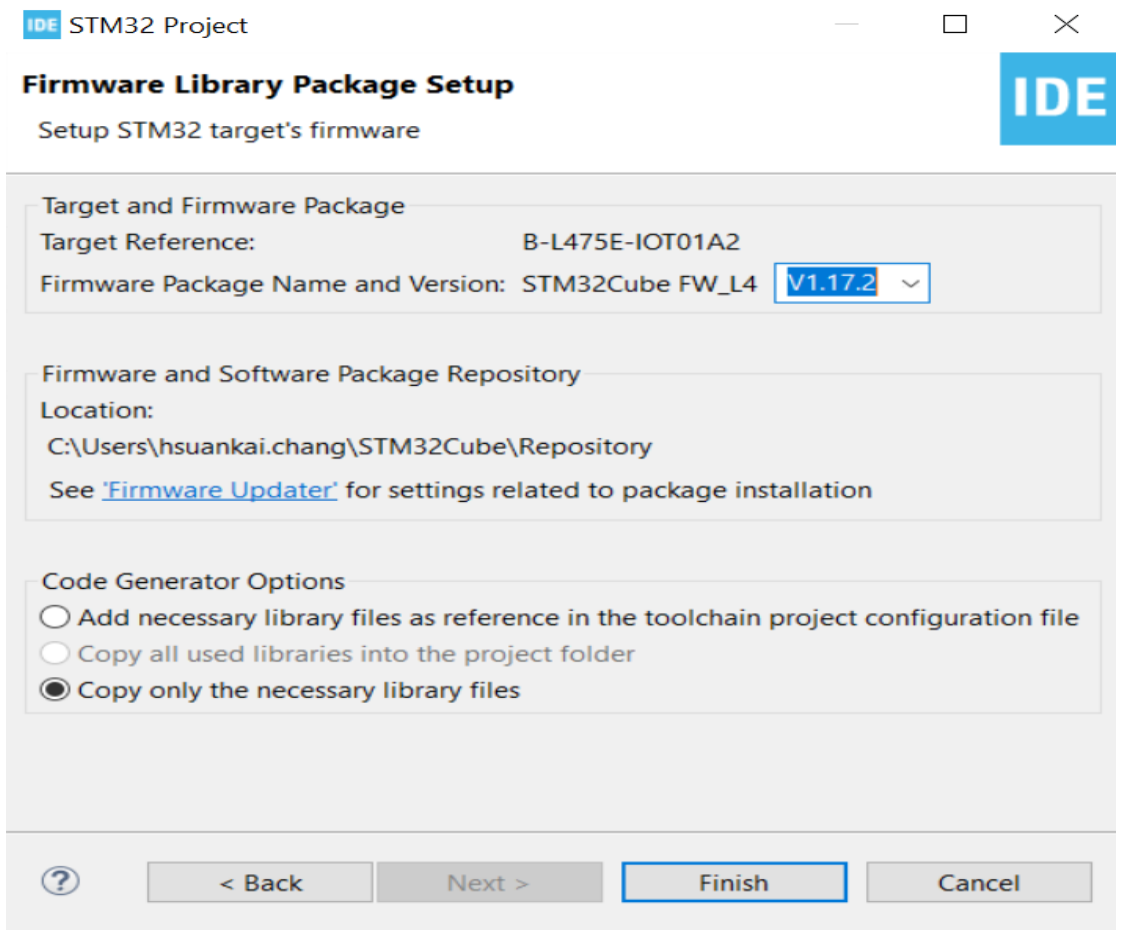
Step 2. Access board selector and type in the board you use, click Next



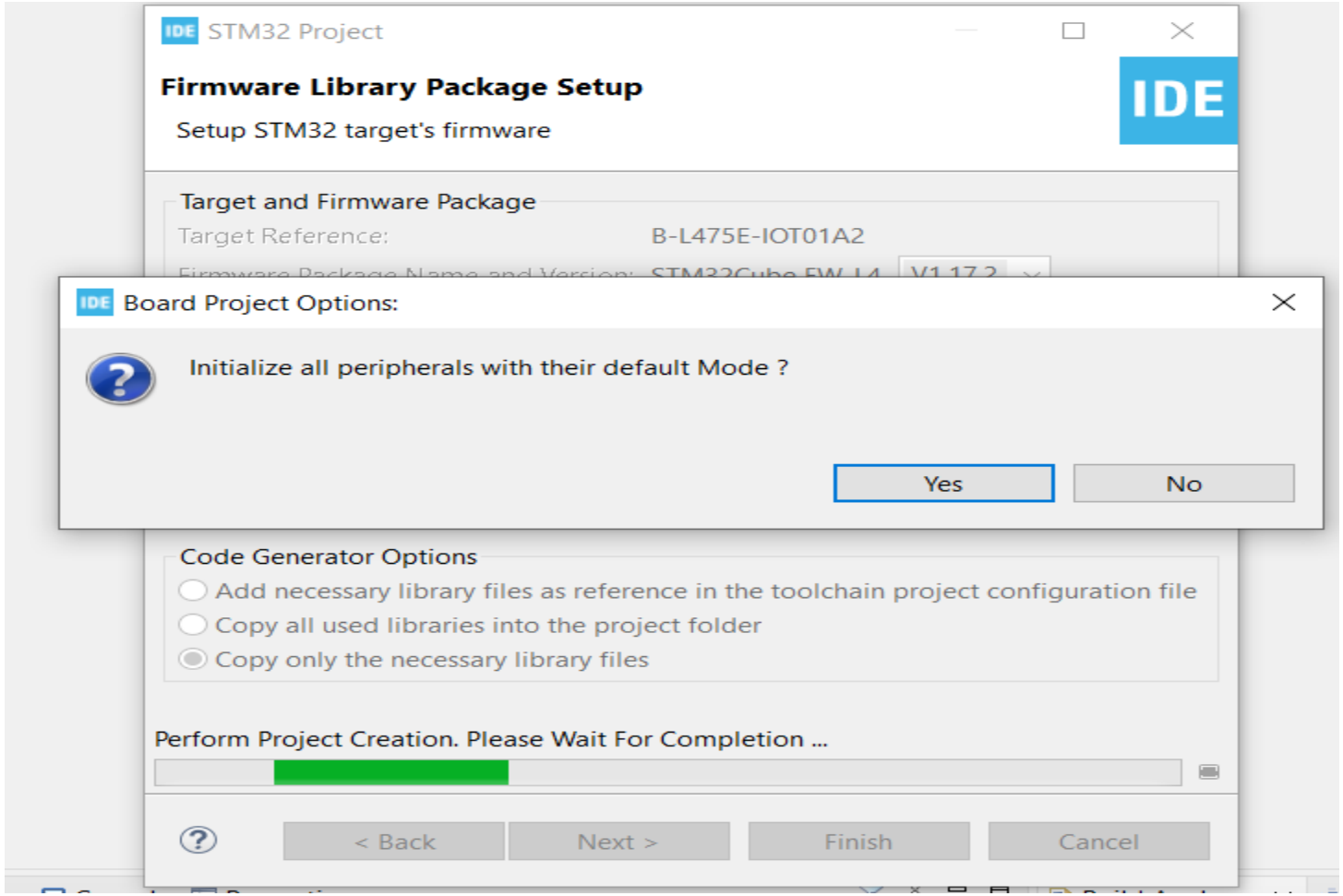
Step 3. Enter the project name then click Next



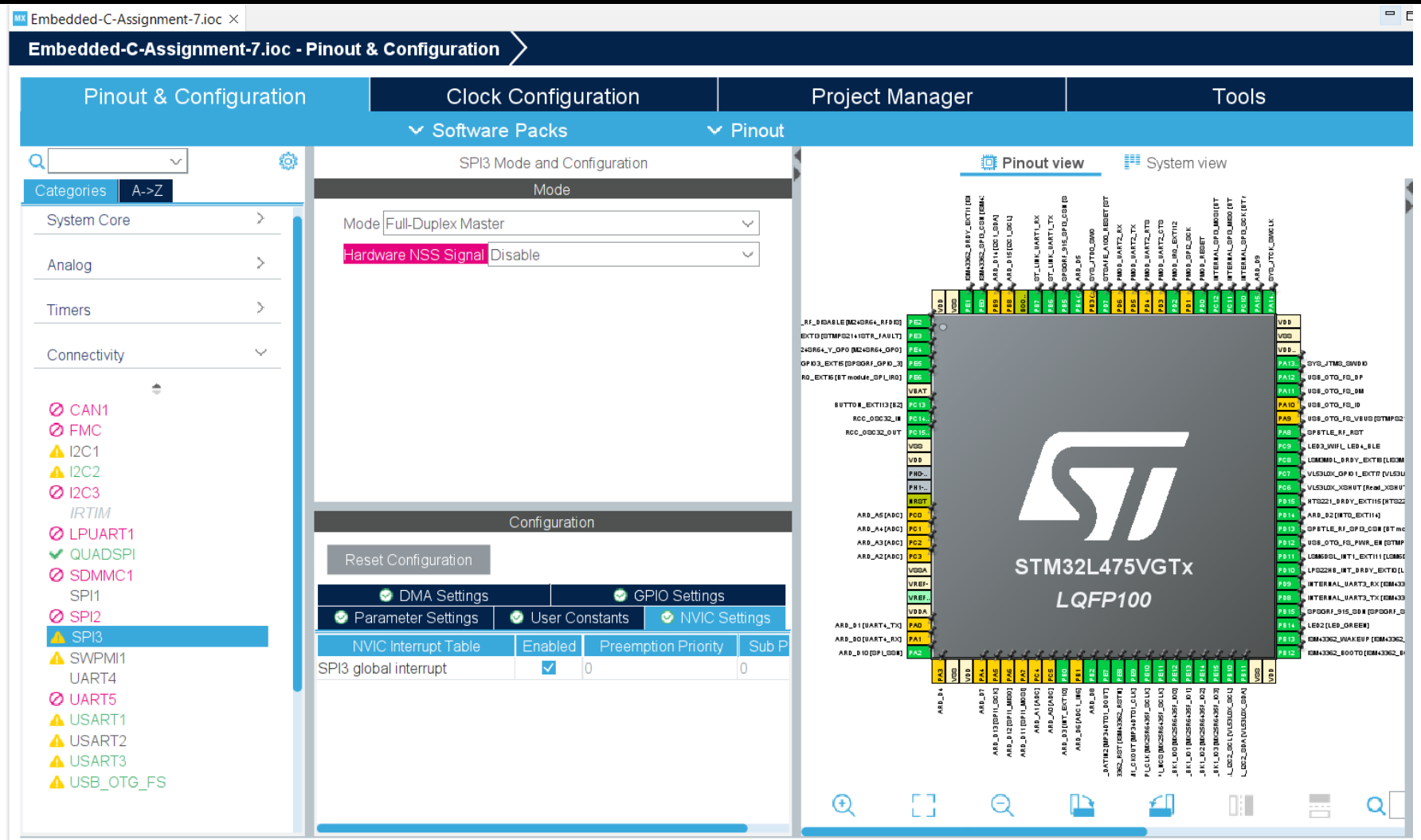
Step 4. See the firmware package name, version and location



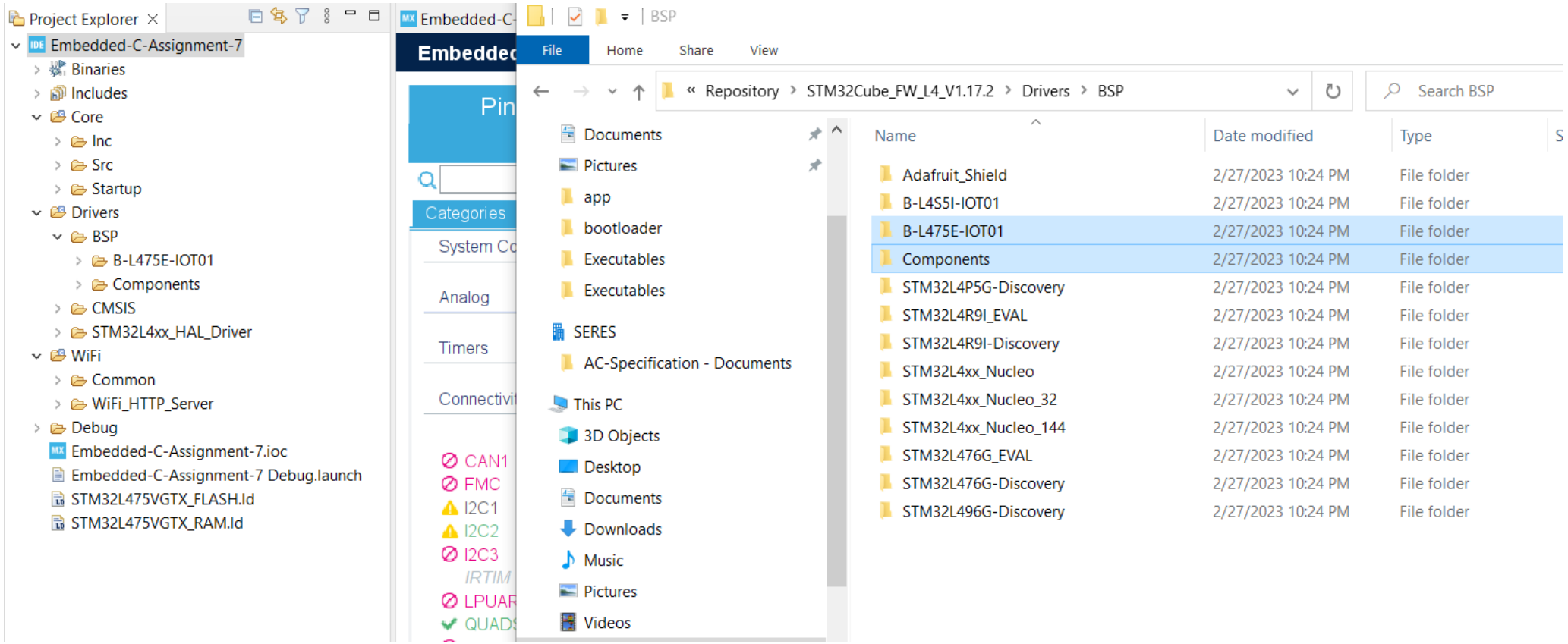
Step 5. Click yes to initialize all peripherals to default



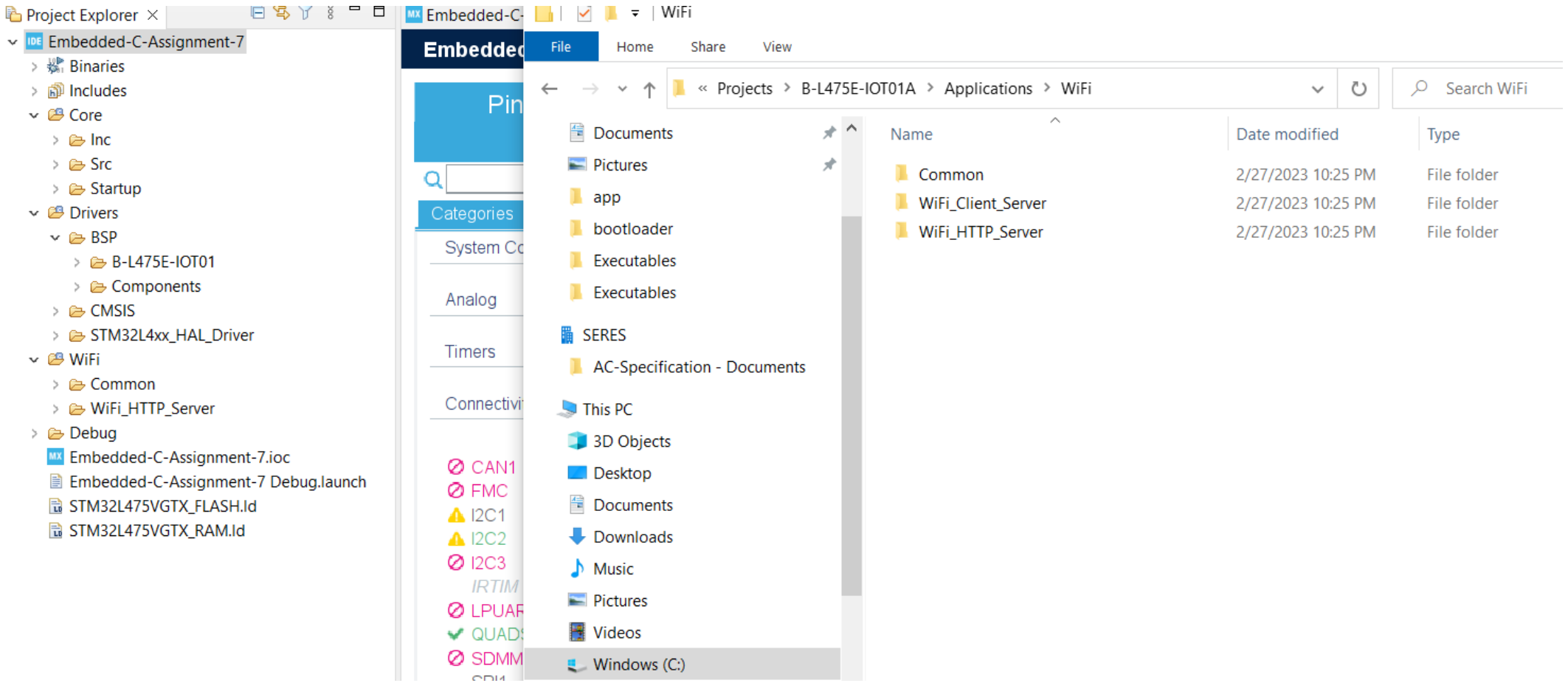
Step 6. When in .ioc file, remember to enable the SPI3 interrupt, otherwise we will get stuck in endless loop



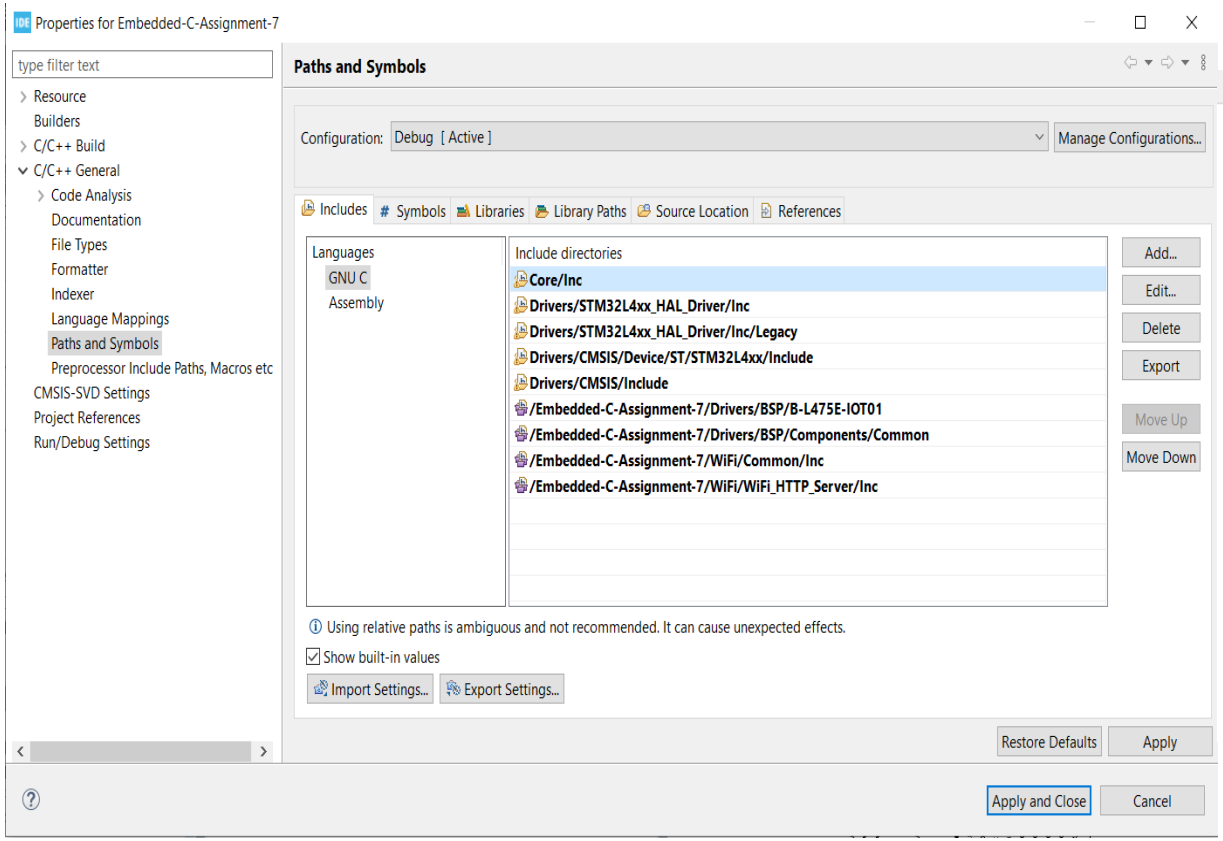
Step 7. Copy the necessary BSP folders into the project

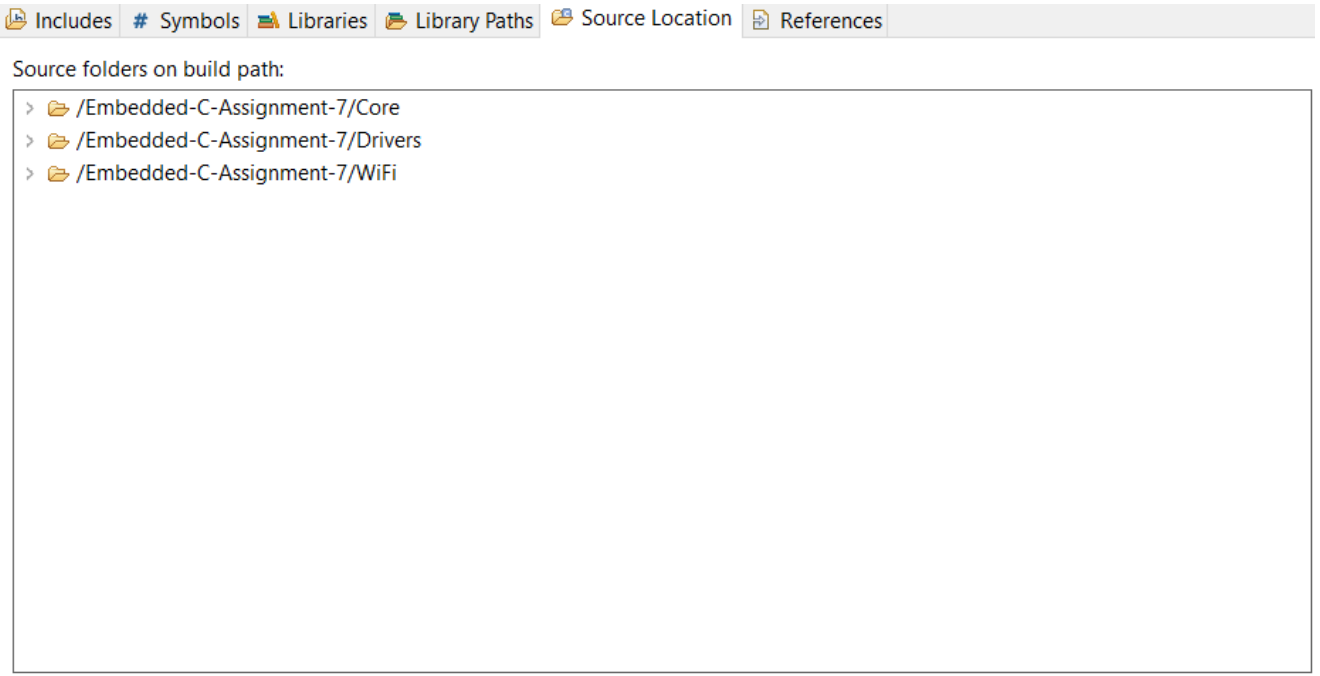


Step 8. Copy the WIFI project into the assignment project

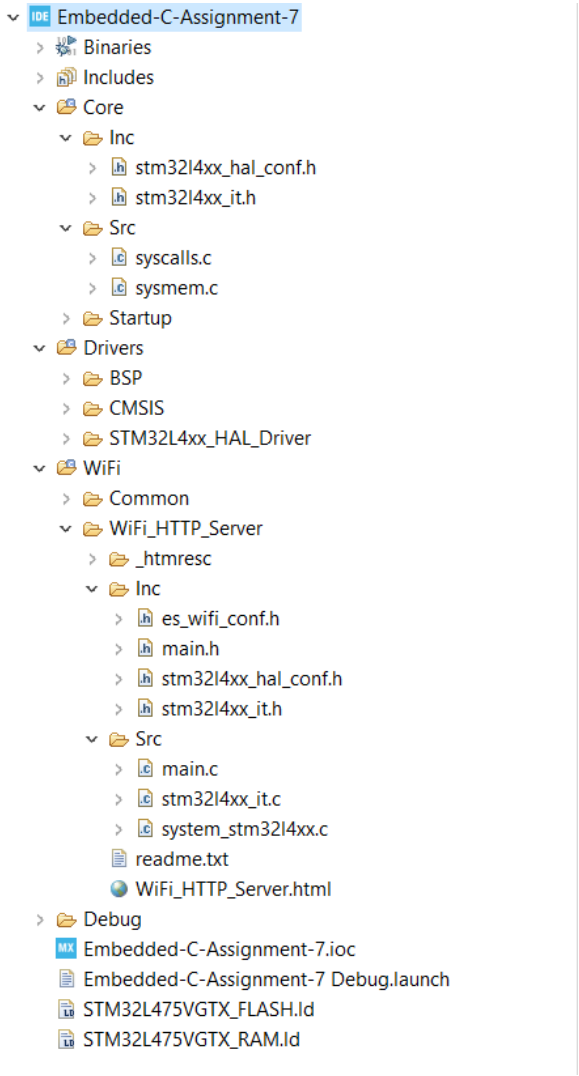


Step 9. Add the include path and the source path

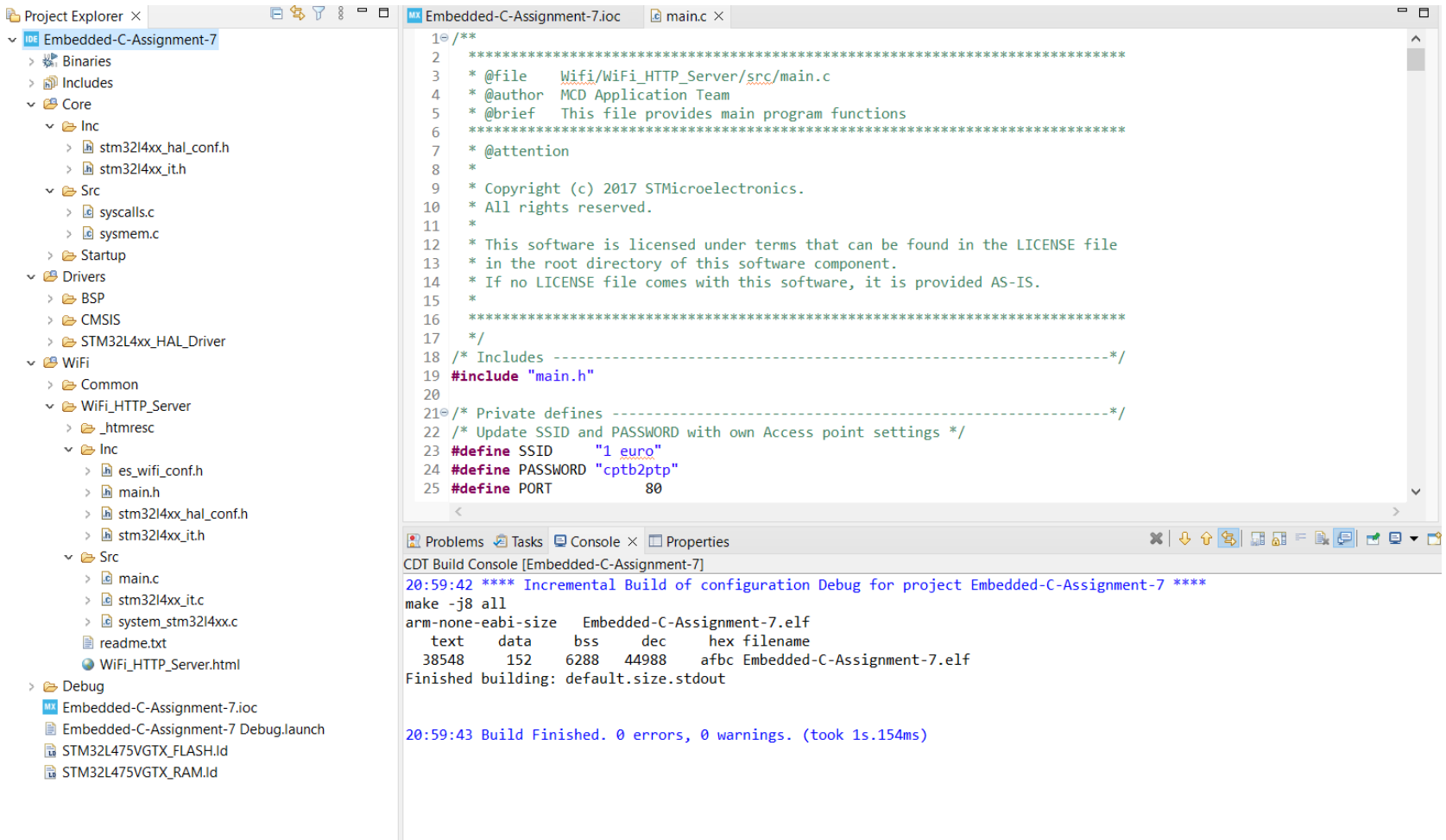




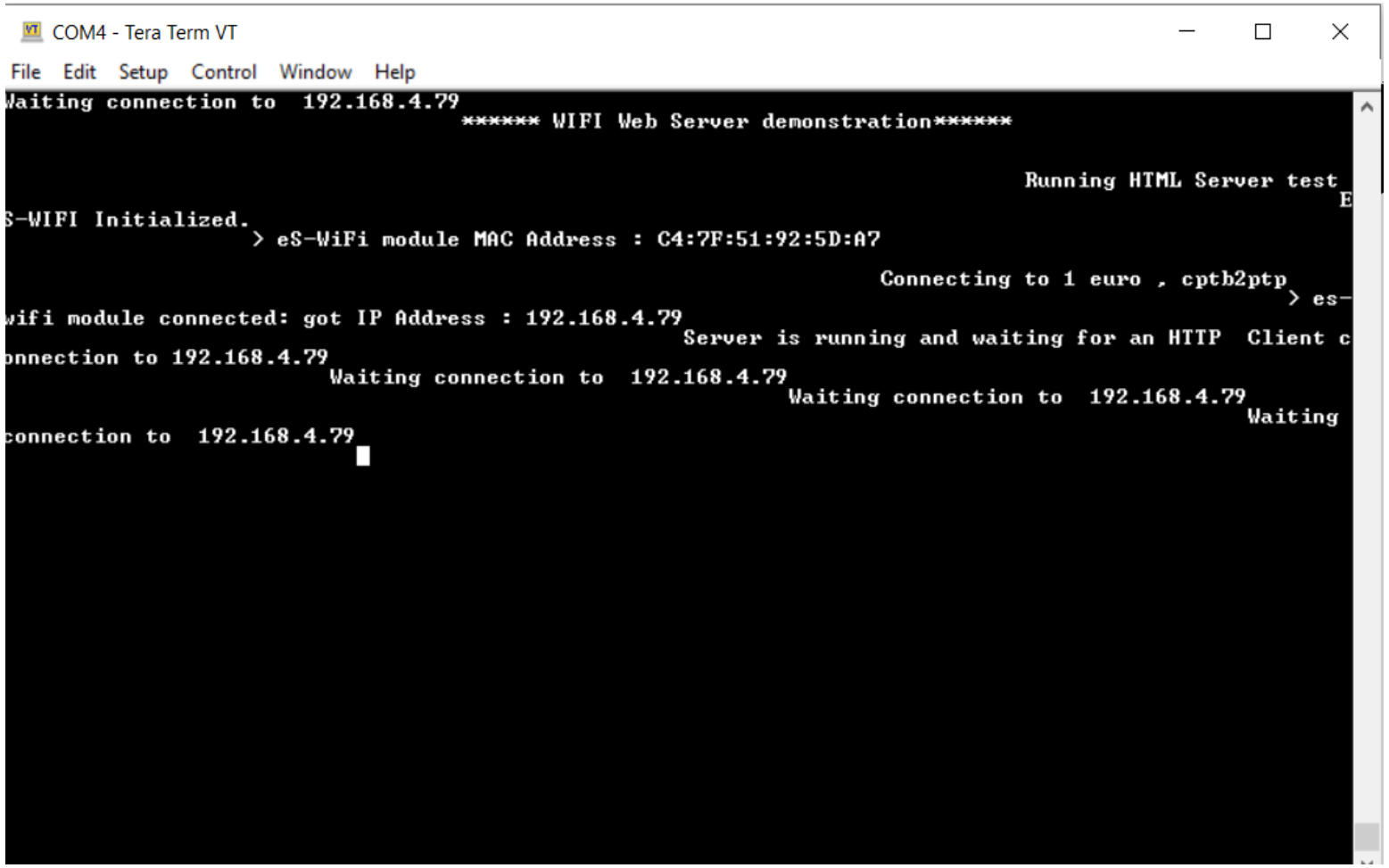
Step 10. Delete unnecessary files to make the compilation success



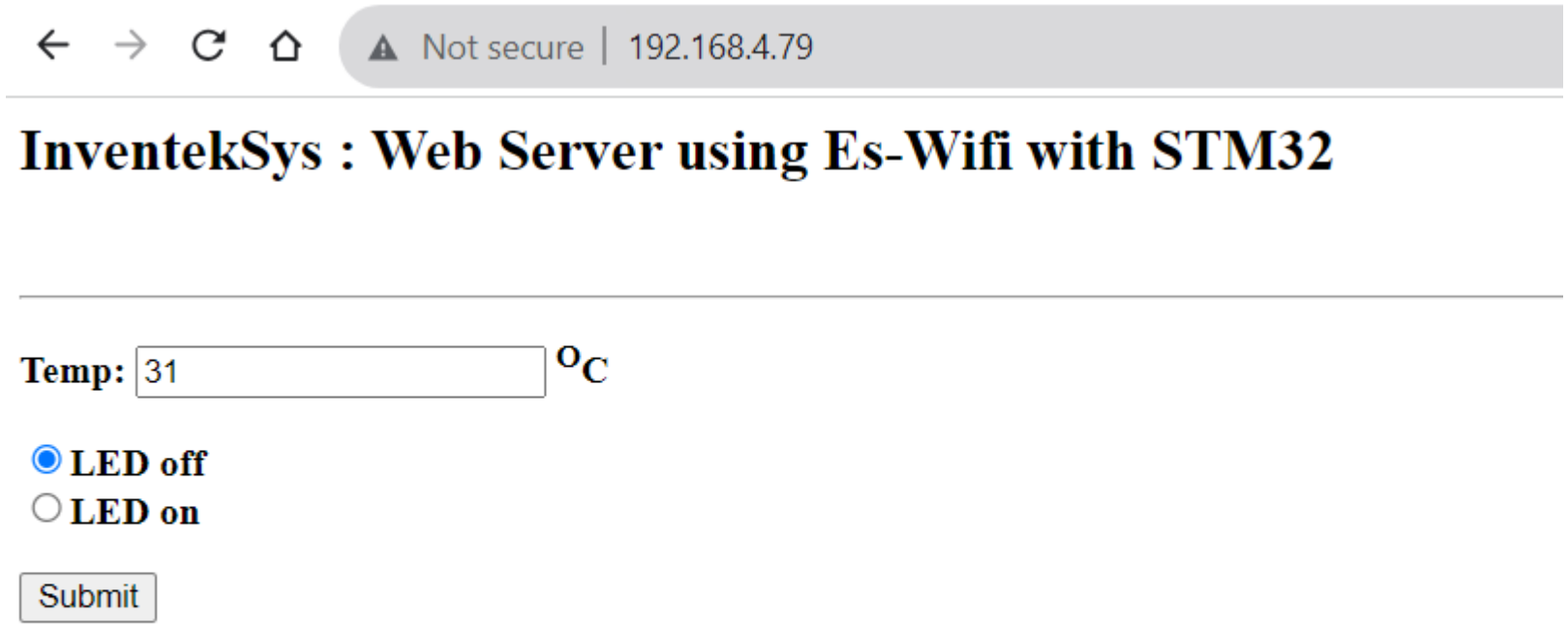
Step 11. Change the SSID and password to match your WIFI point, then compile and run the code



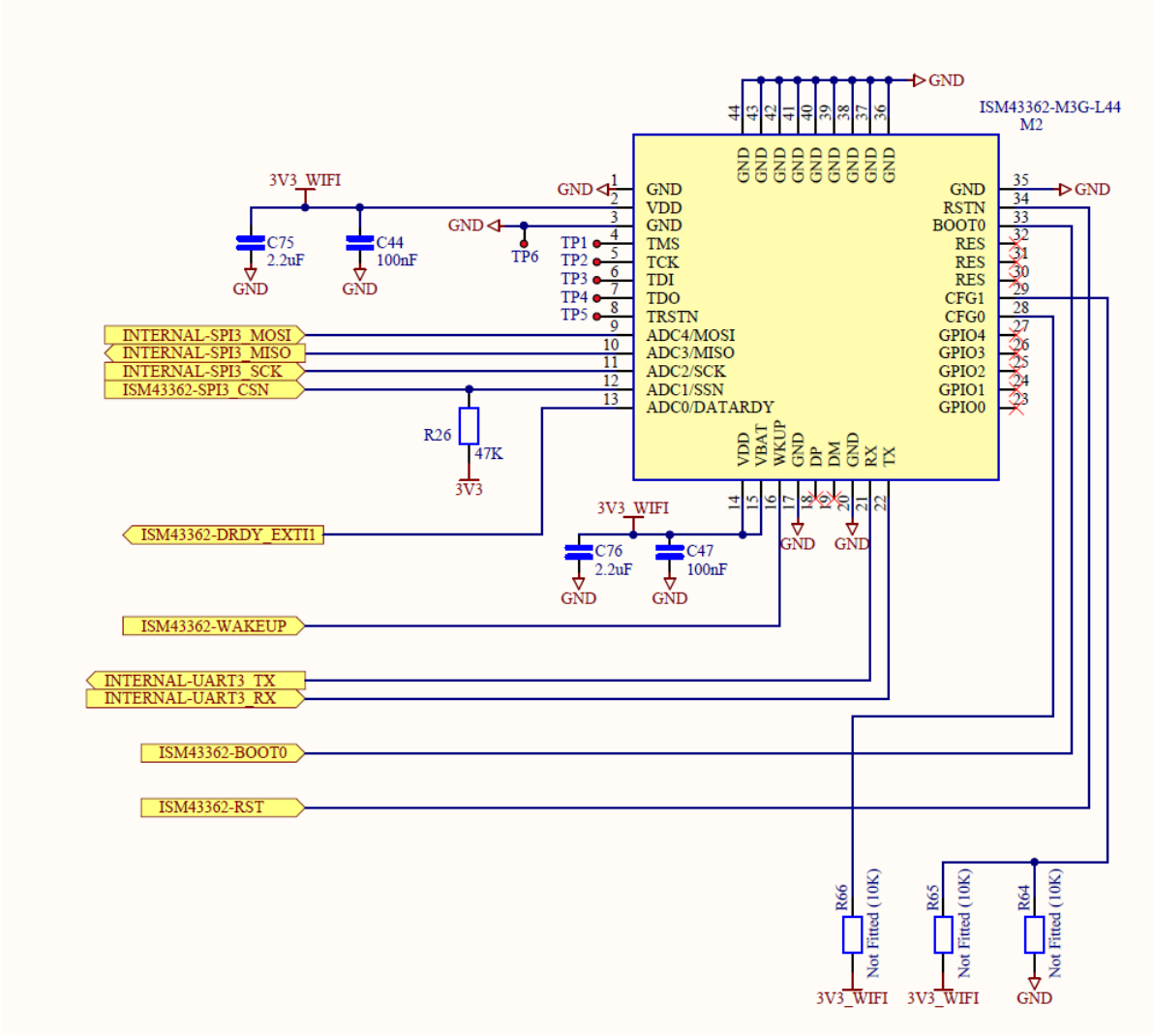
Step 12. Open the tera term and see the IP address



Step 13. Open the IP address and test the button functions, test is successful



Appendix, schematic for WIFI module



Appendix, schematic for WIFI module, processor side view