UCSD Embedded C Assignment 9

By

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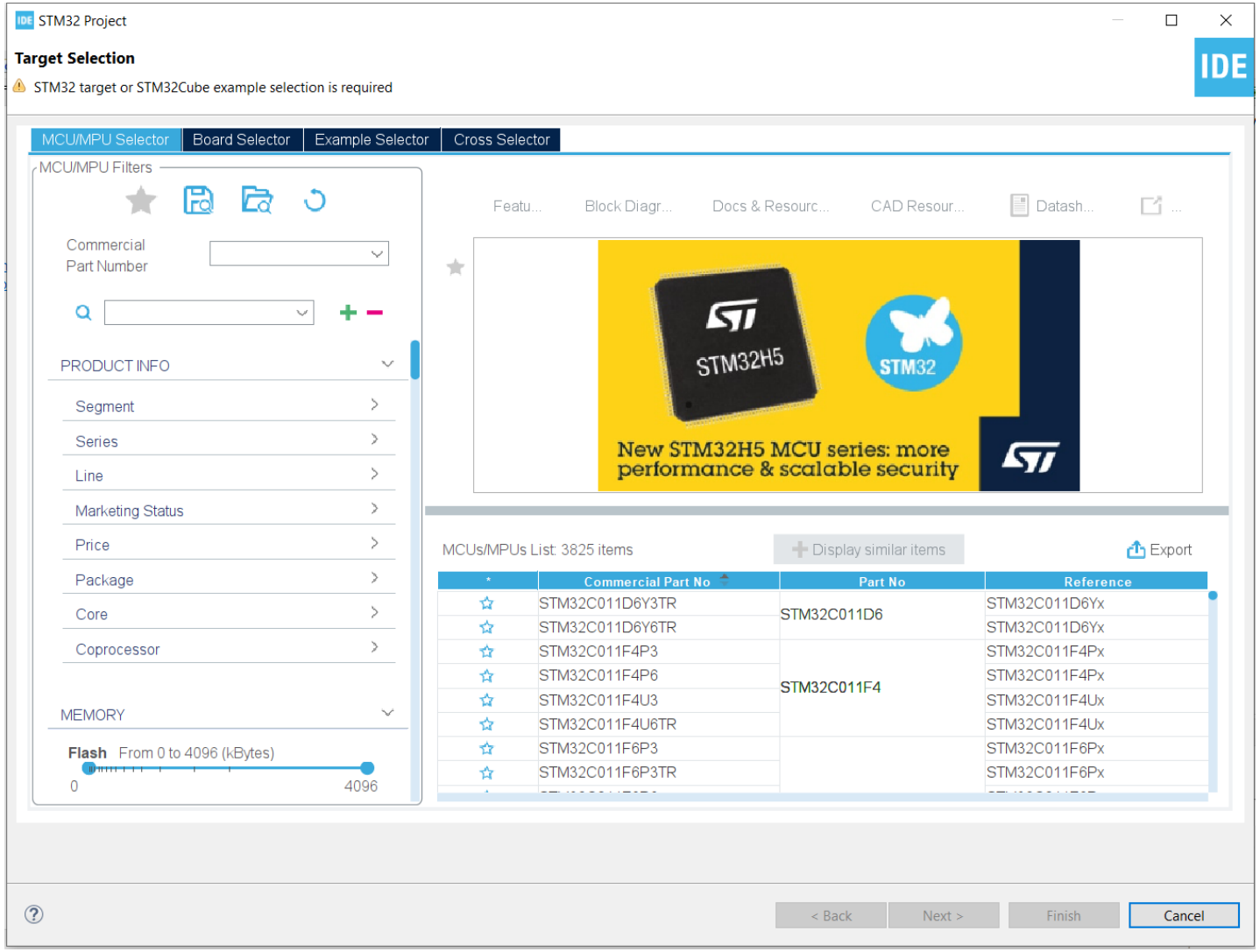
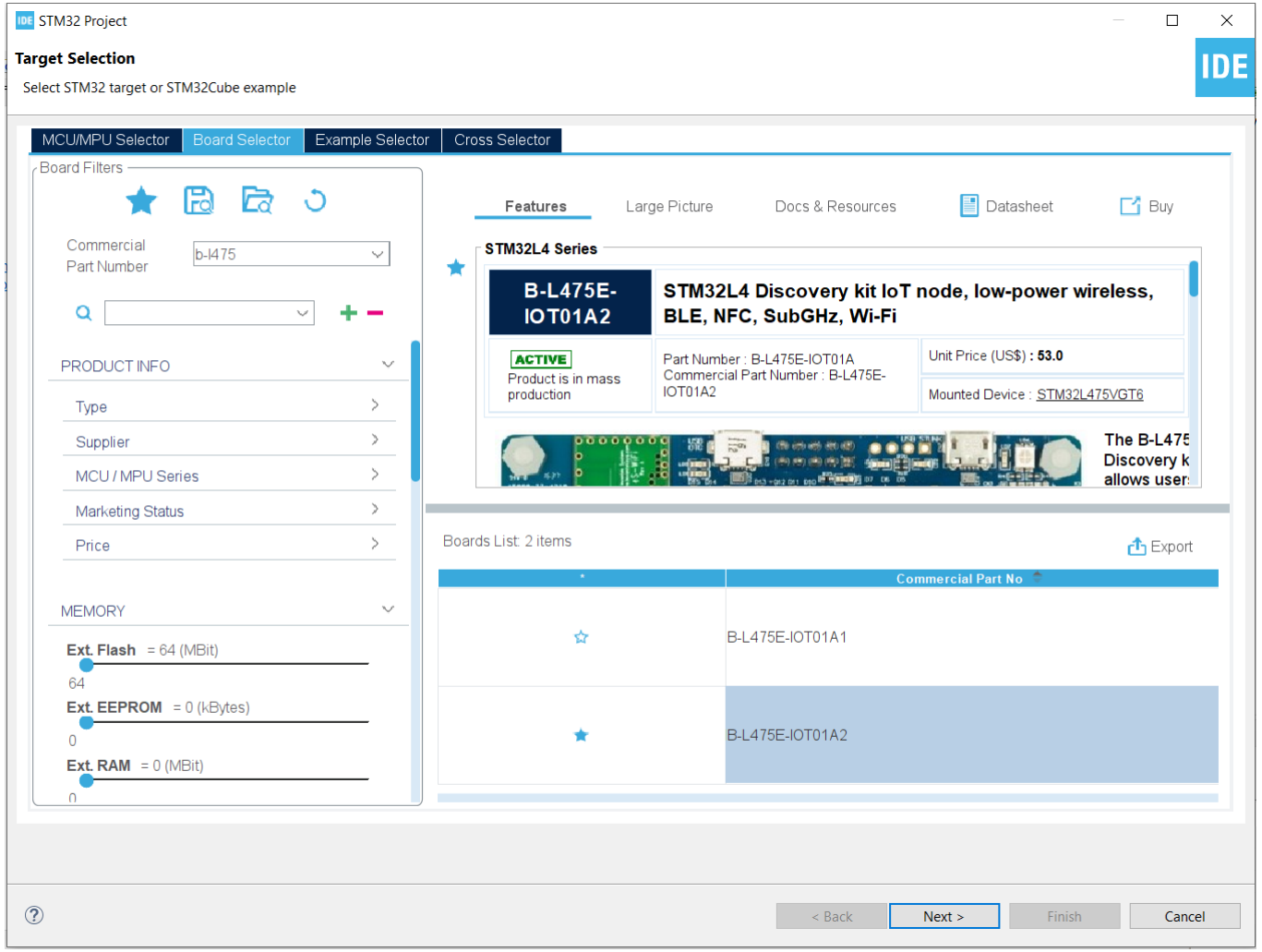
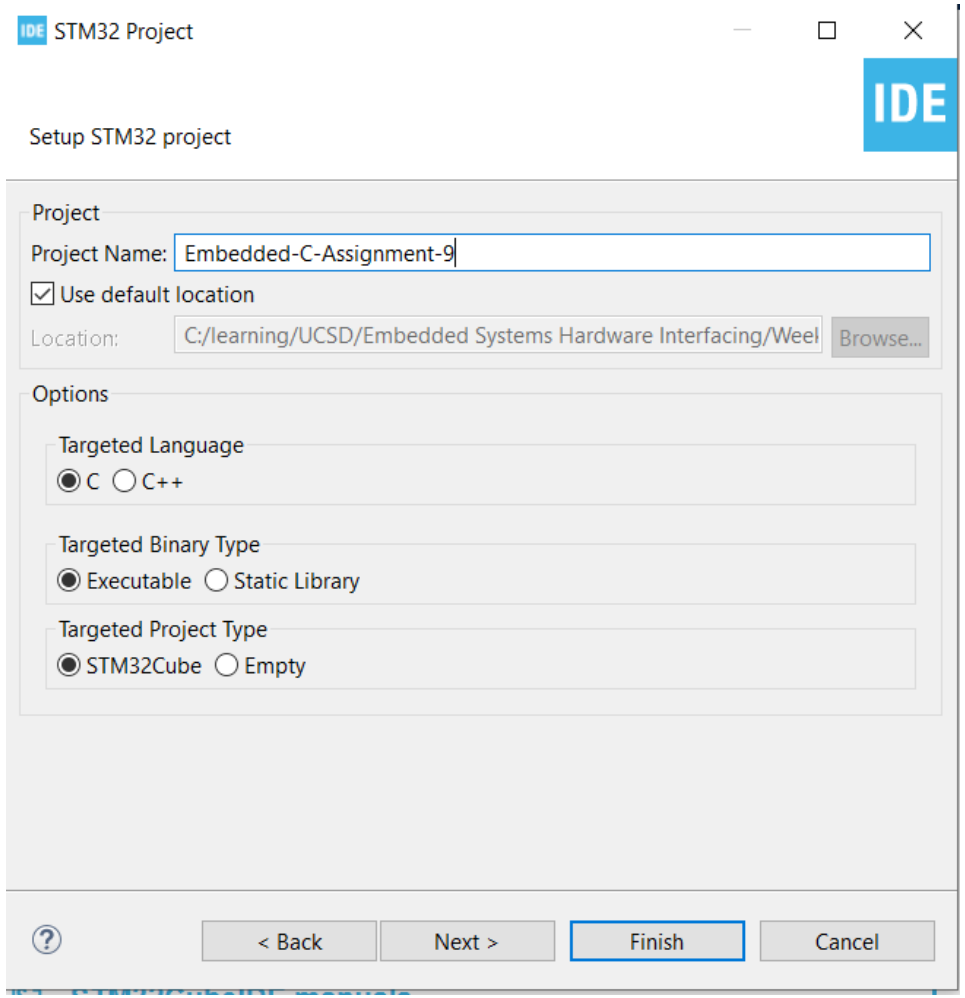
Step 1. Startup STM32CubeIDE and create new STM32 project



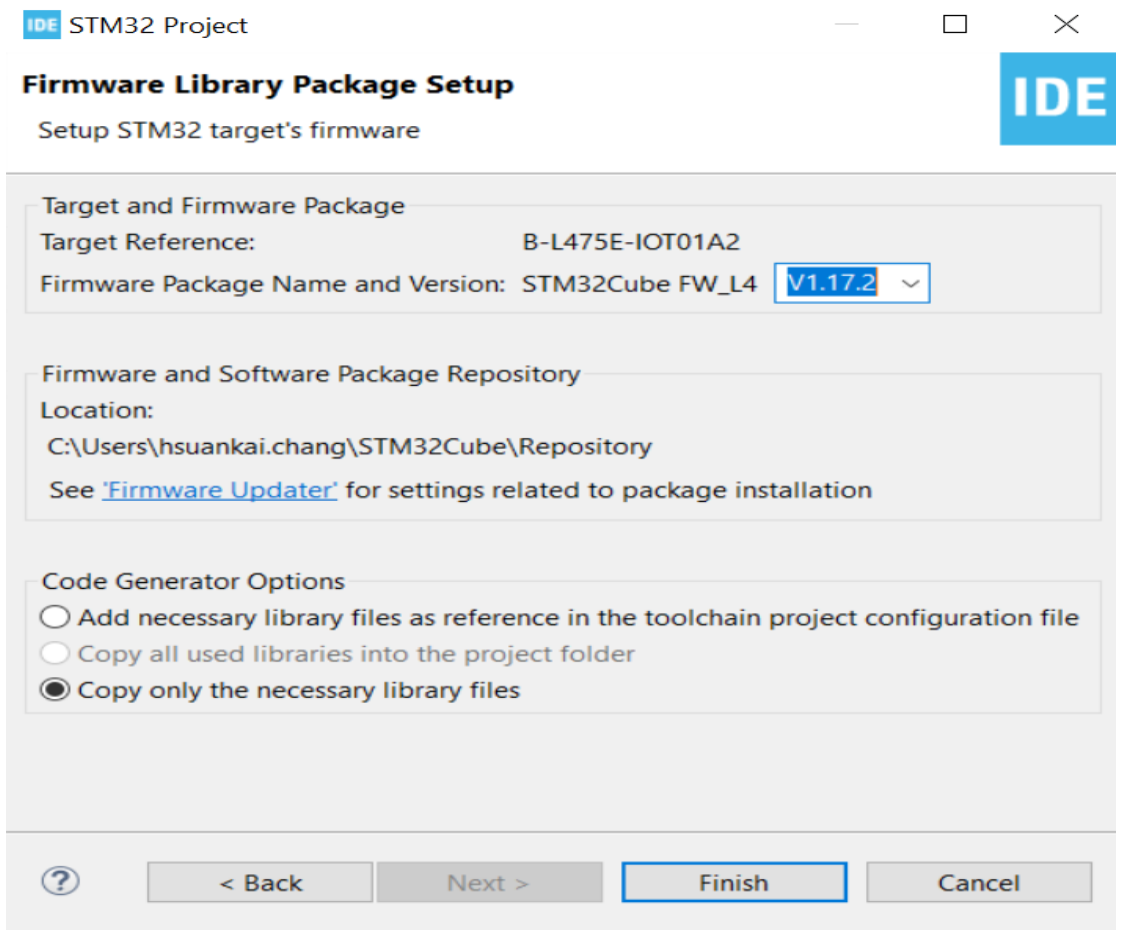
Step 2. Access board selector and type in the board you use, click Next



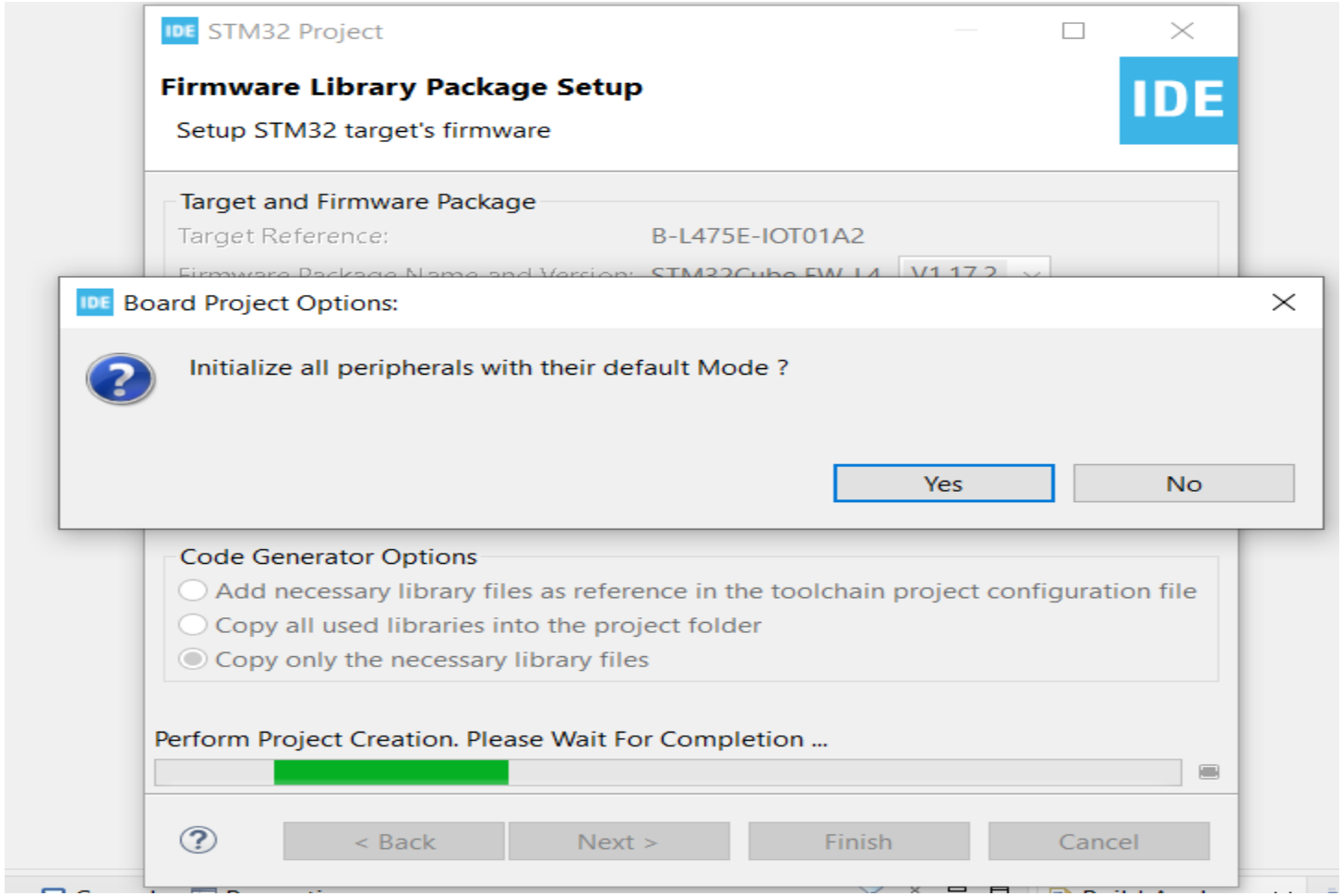
Step 3. Enter the project name then click Next



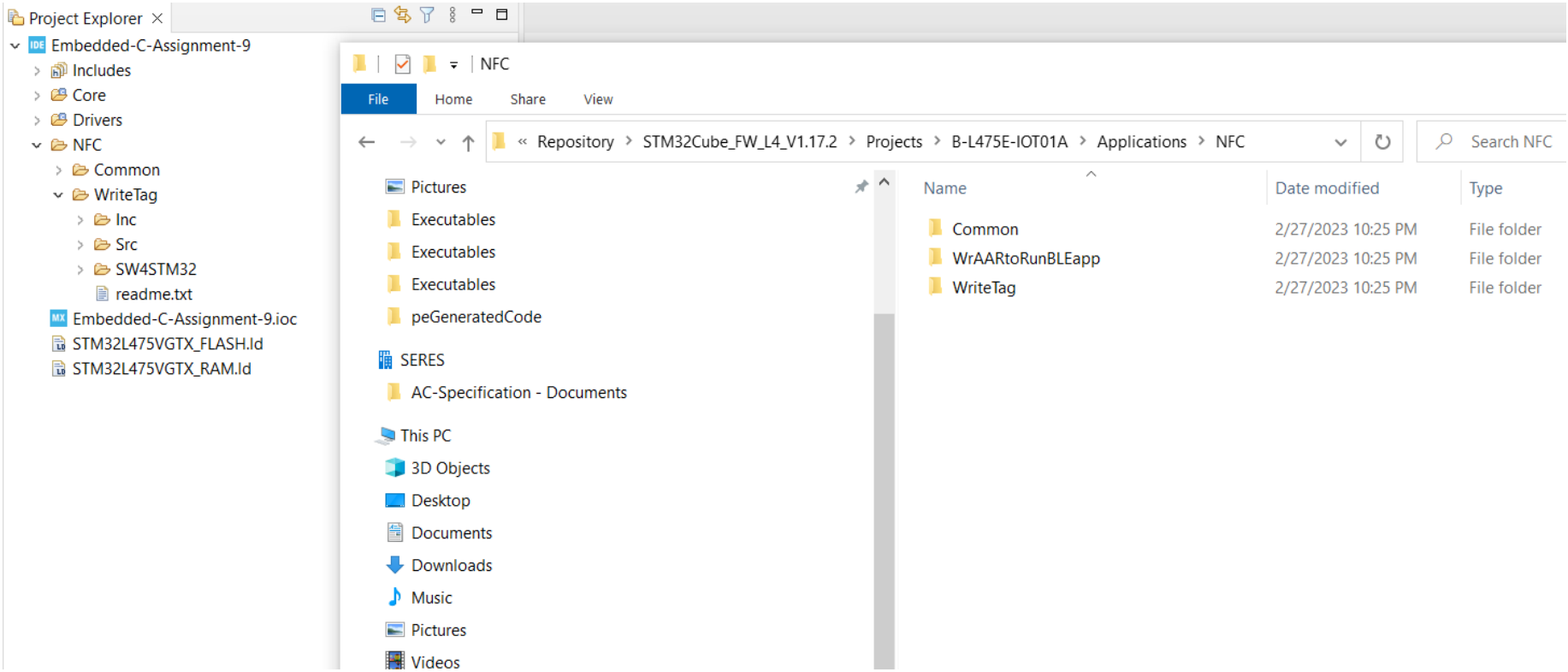
Step 4. See the firmware package name, version and location



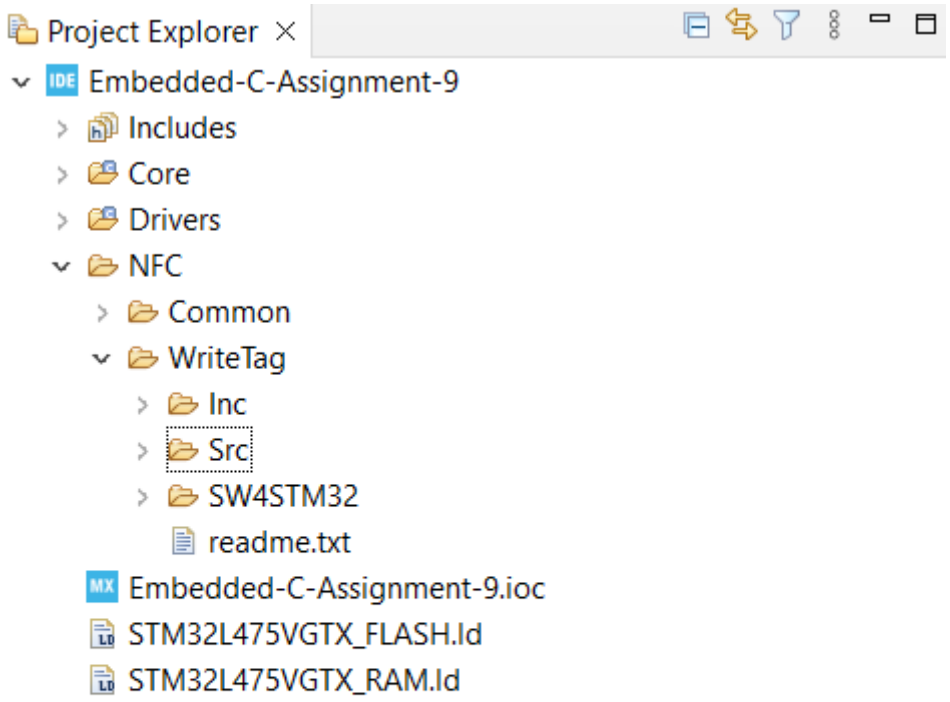
Step 5. Click yes to initialize all peripherals to default



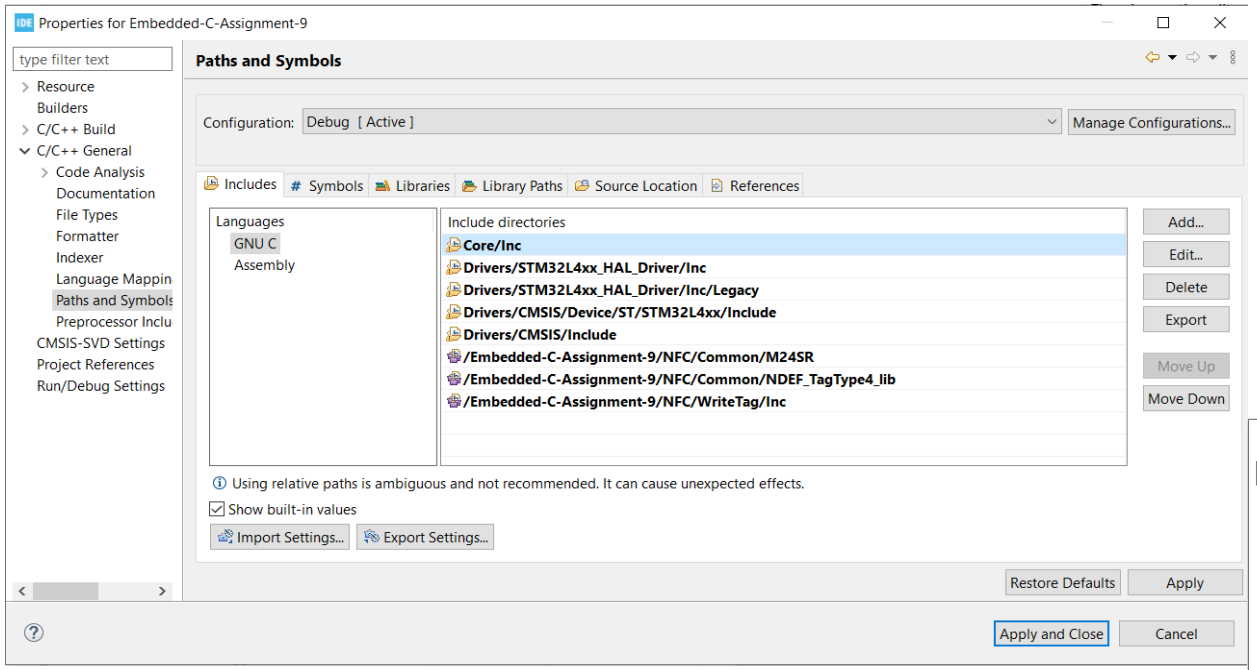
Step 6. Copy the NFC folder into the project, and delete the WrAARtoRunBLEapp folder

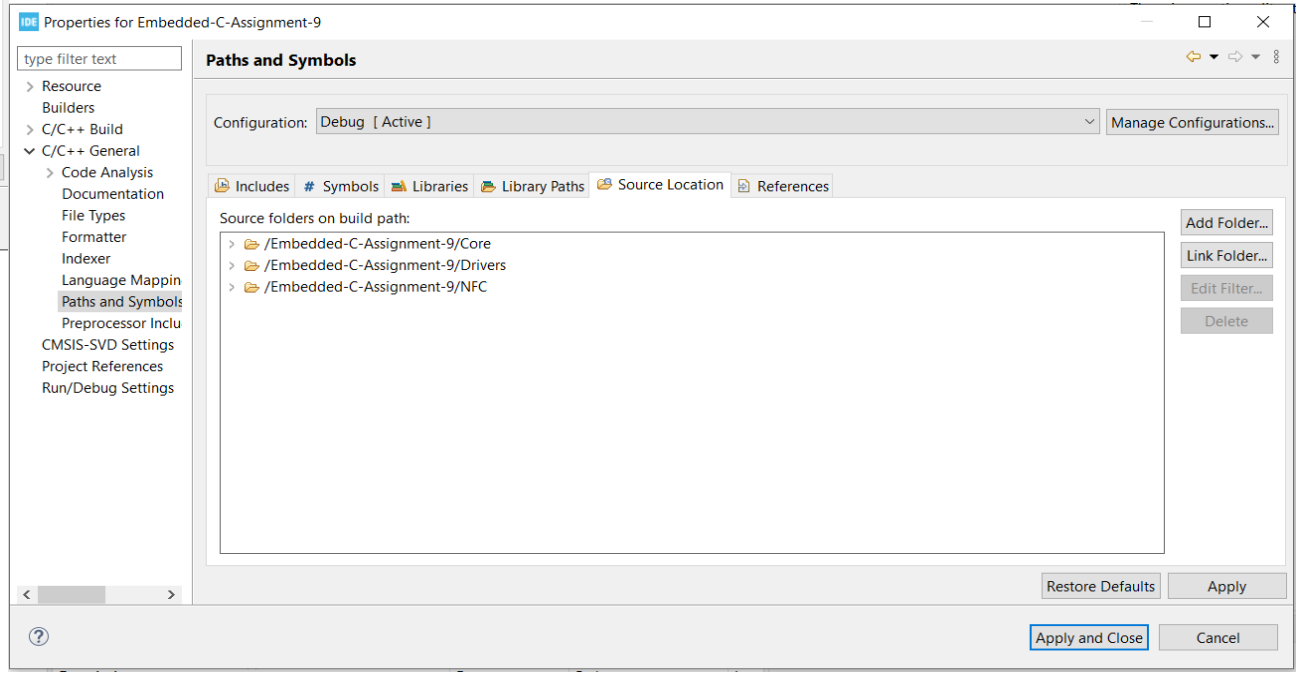


Step 7. Delete EWARM and MDK-ARM folder

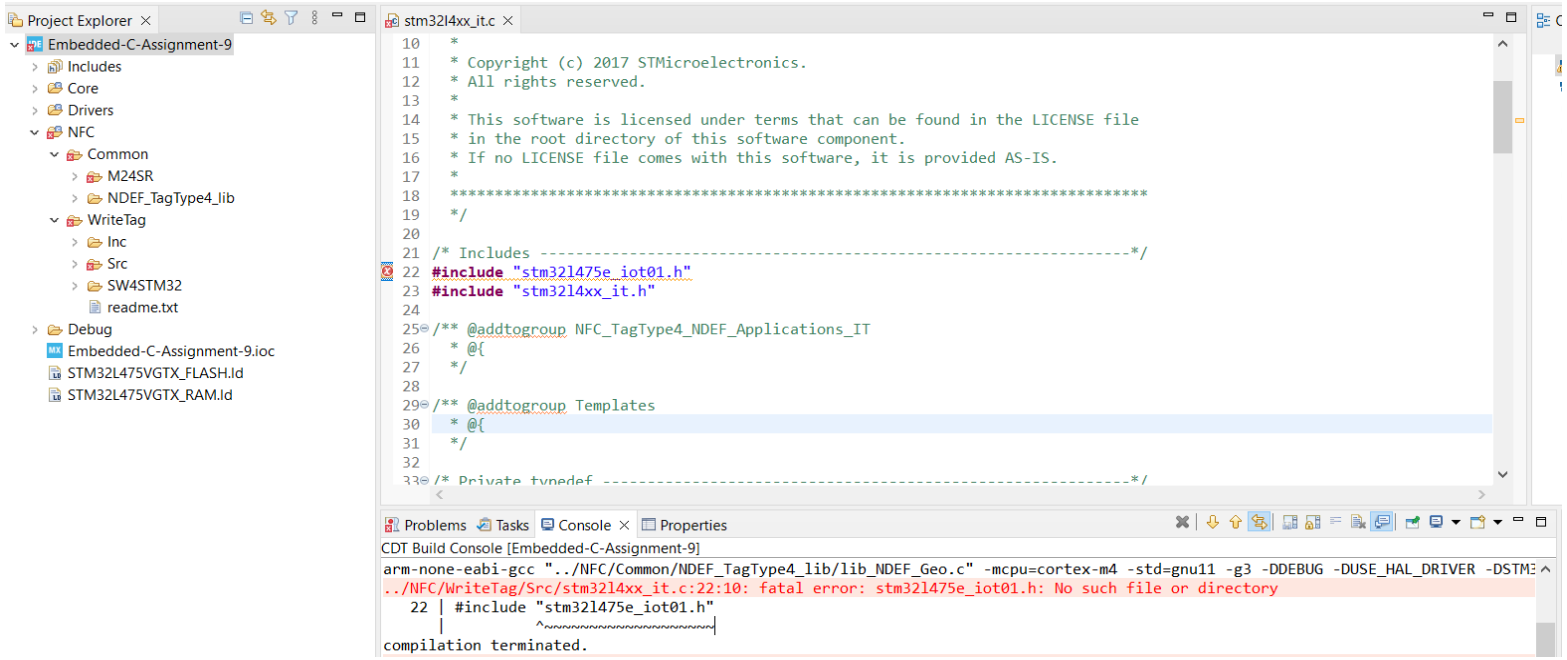


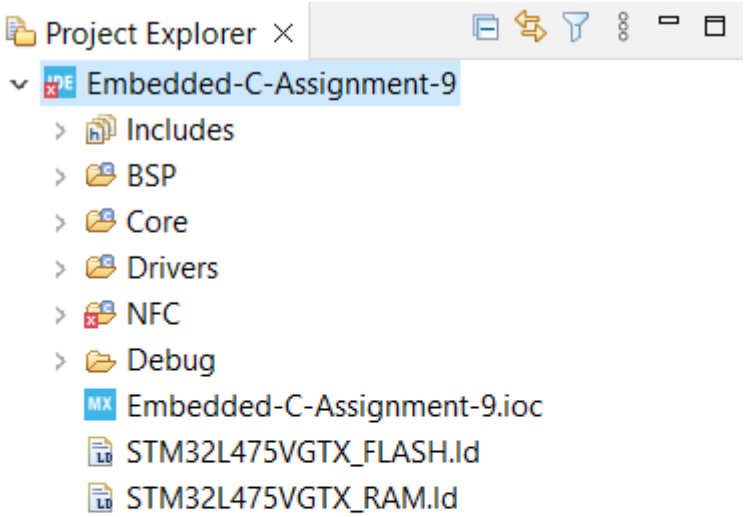
Step 8. Add the NFC source path and include path



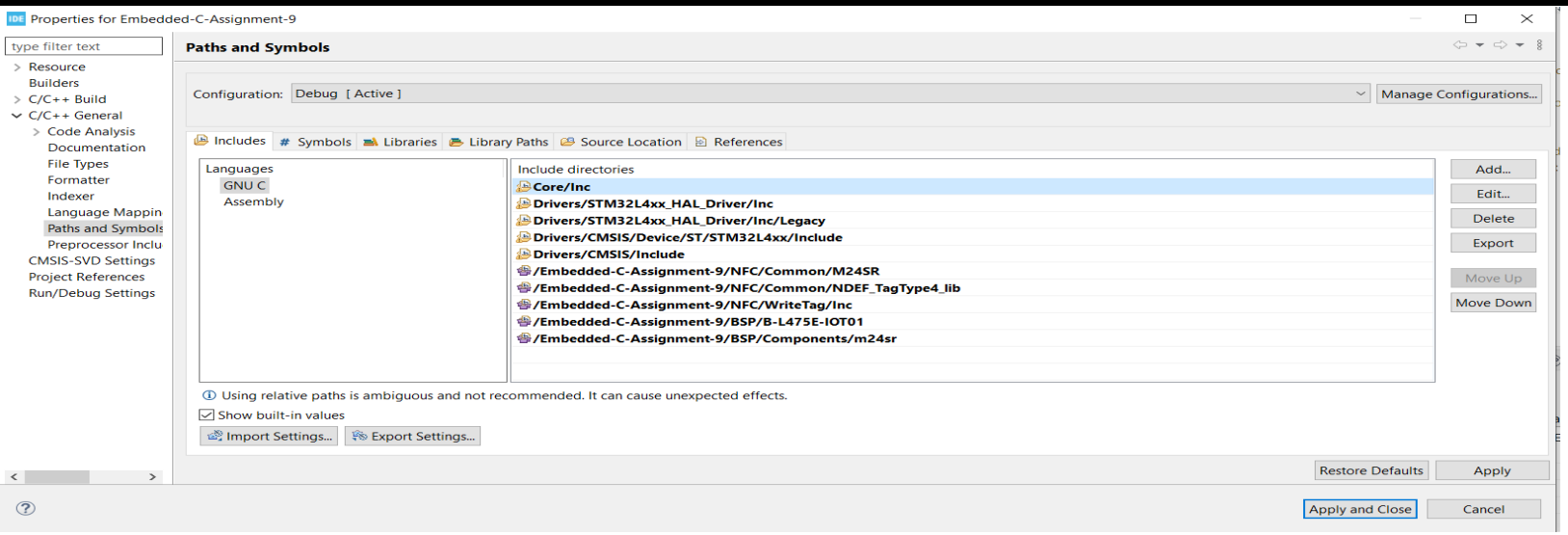


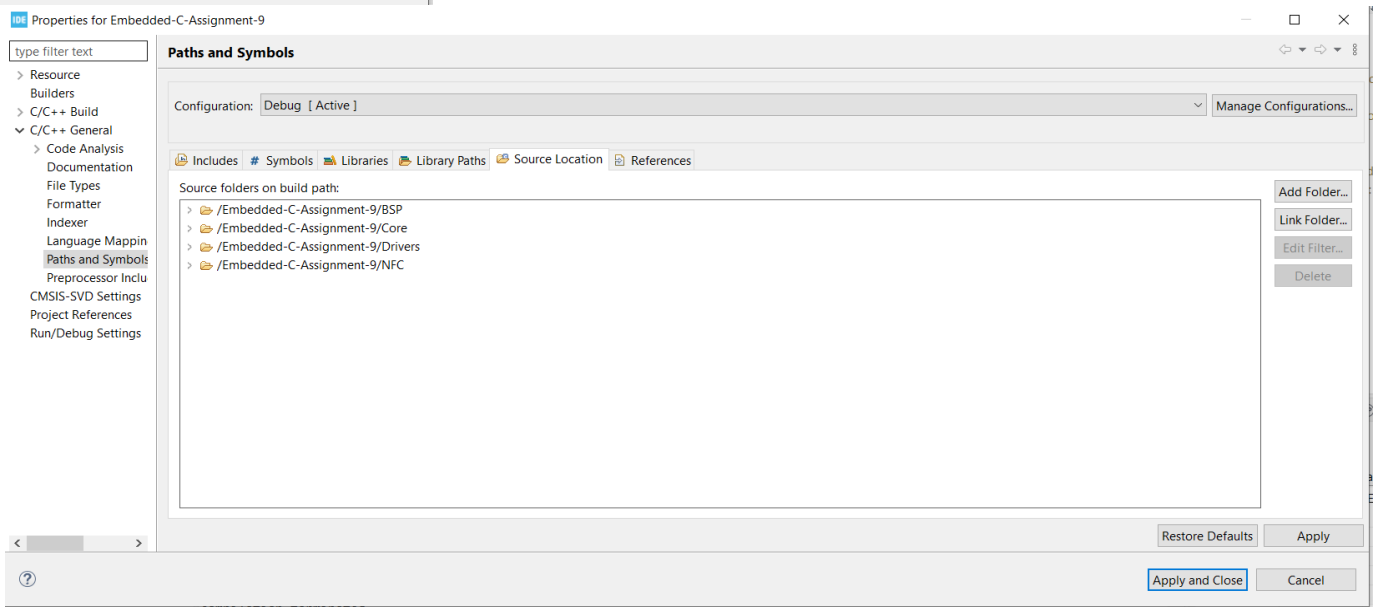
Step 9. When attempting to build, missing file is in BSP, so add BSP folder in the project



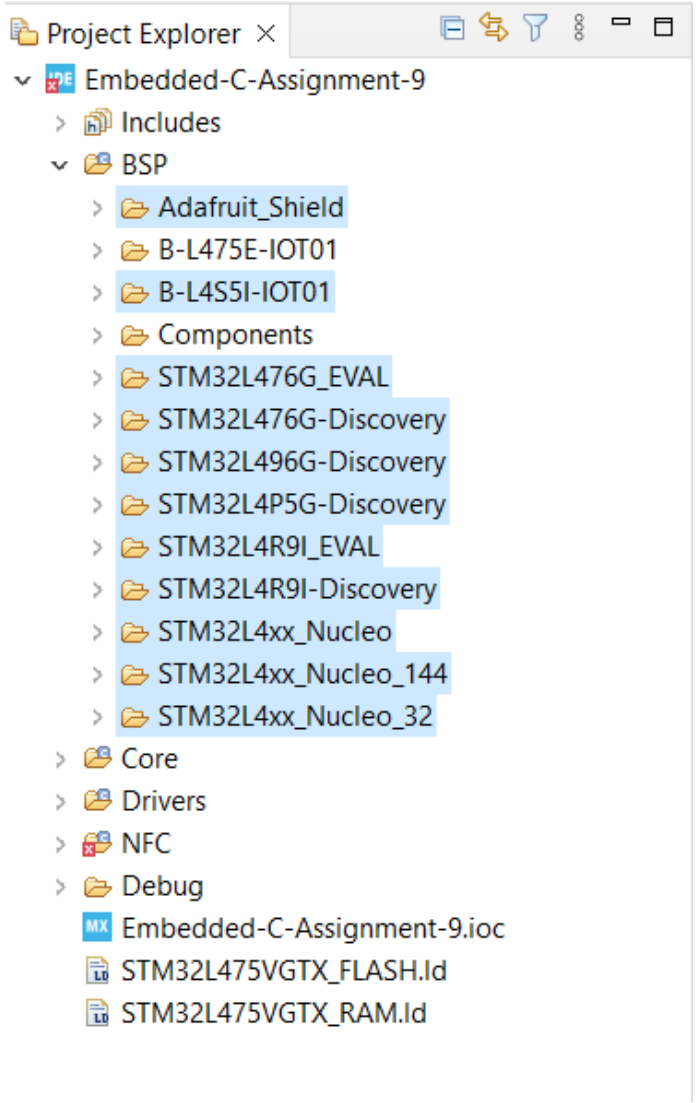


Step 10. Add the BSP m24sr into include path, and add BSP into source path

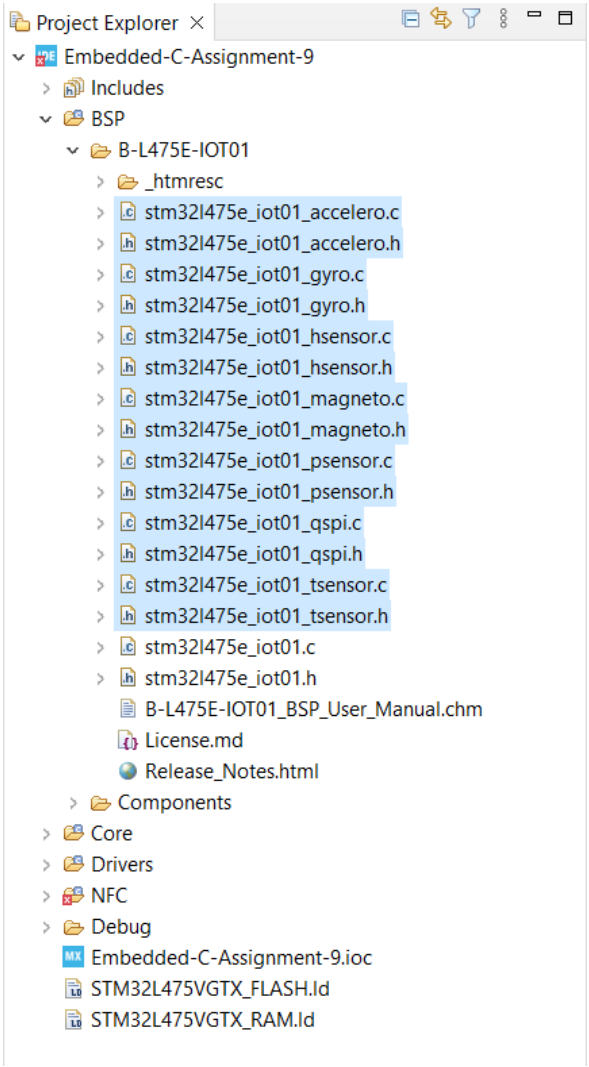




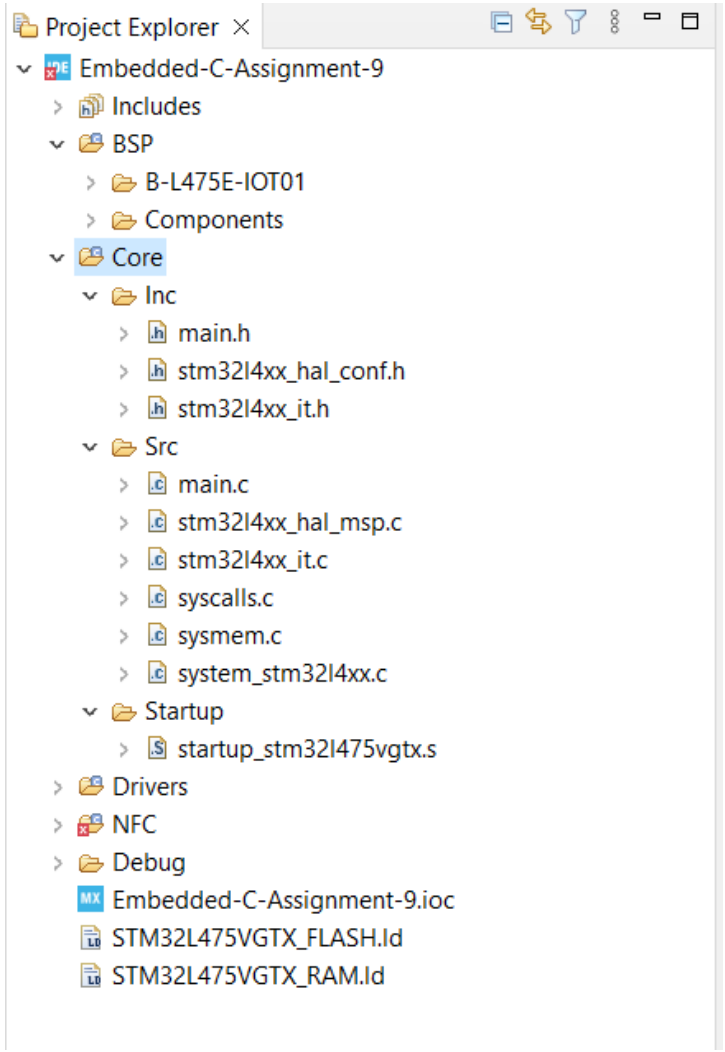
Step 11. Delete unnecessary folder under BSP folder



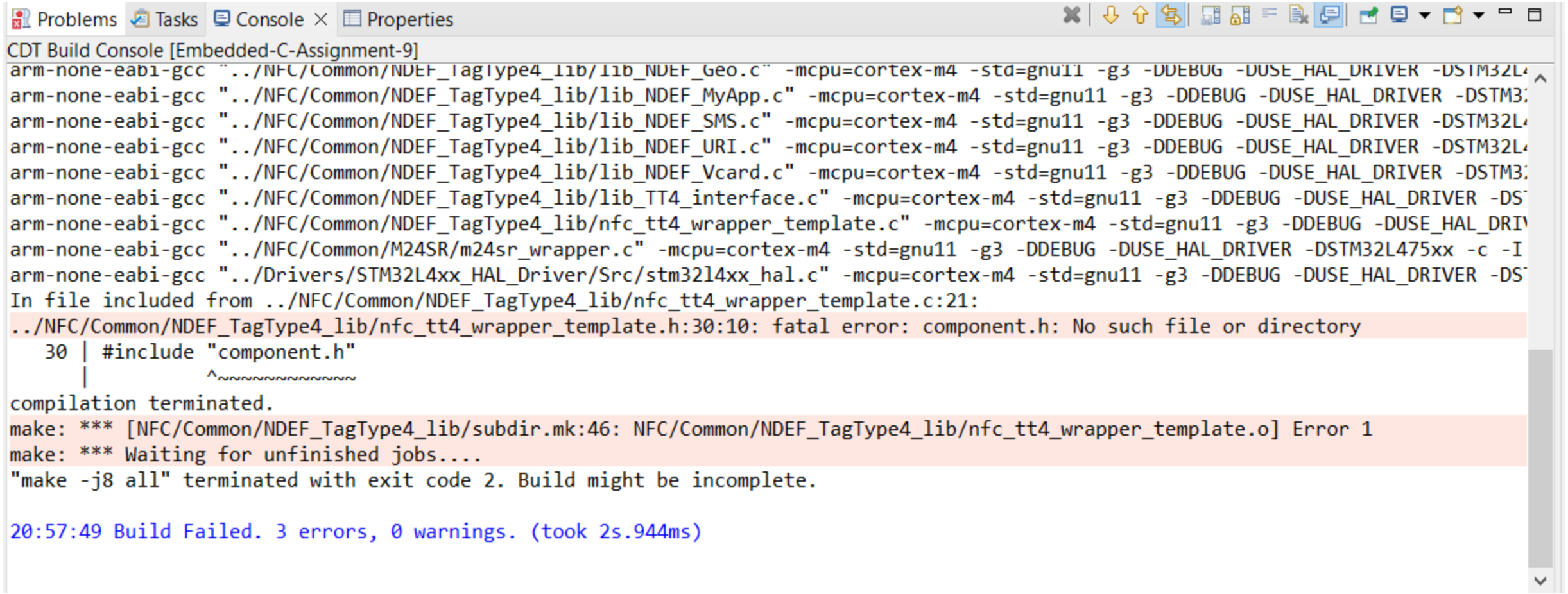
Step 12. Delete unnecessary files under B-L475E-IOT01 folder



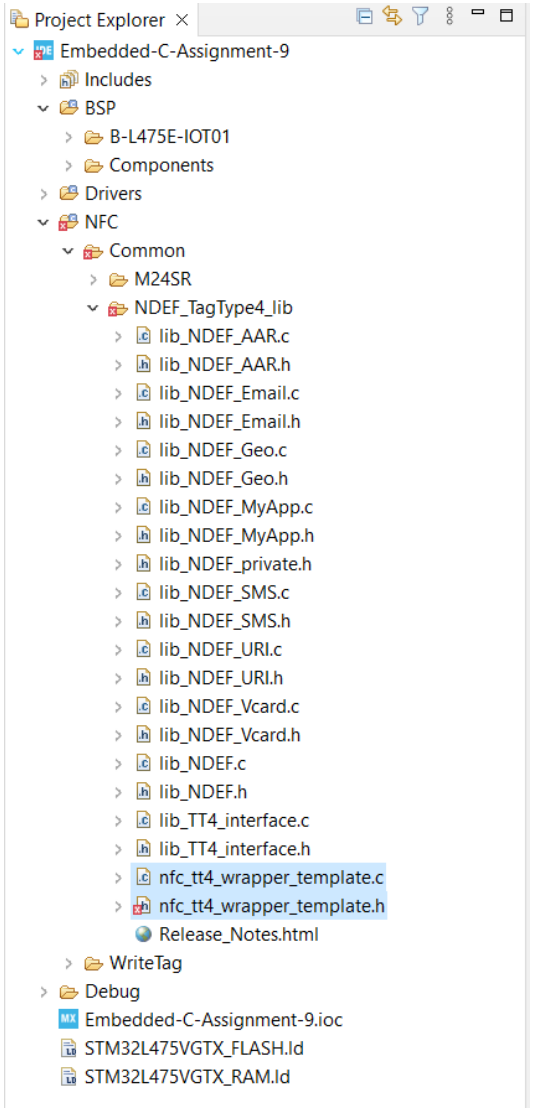
Step 13. Remove the entire Core directory



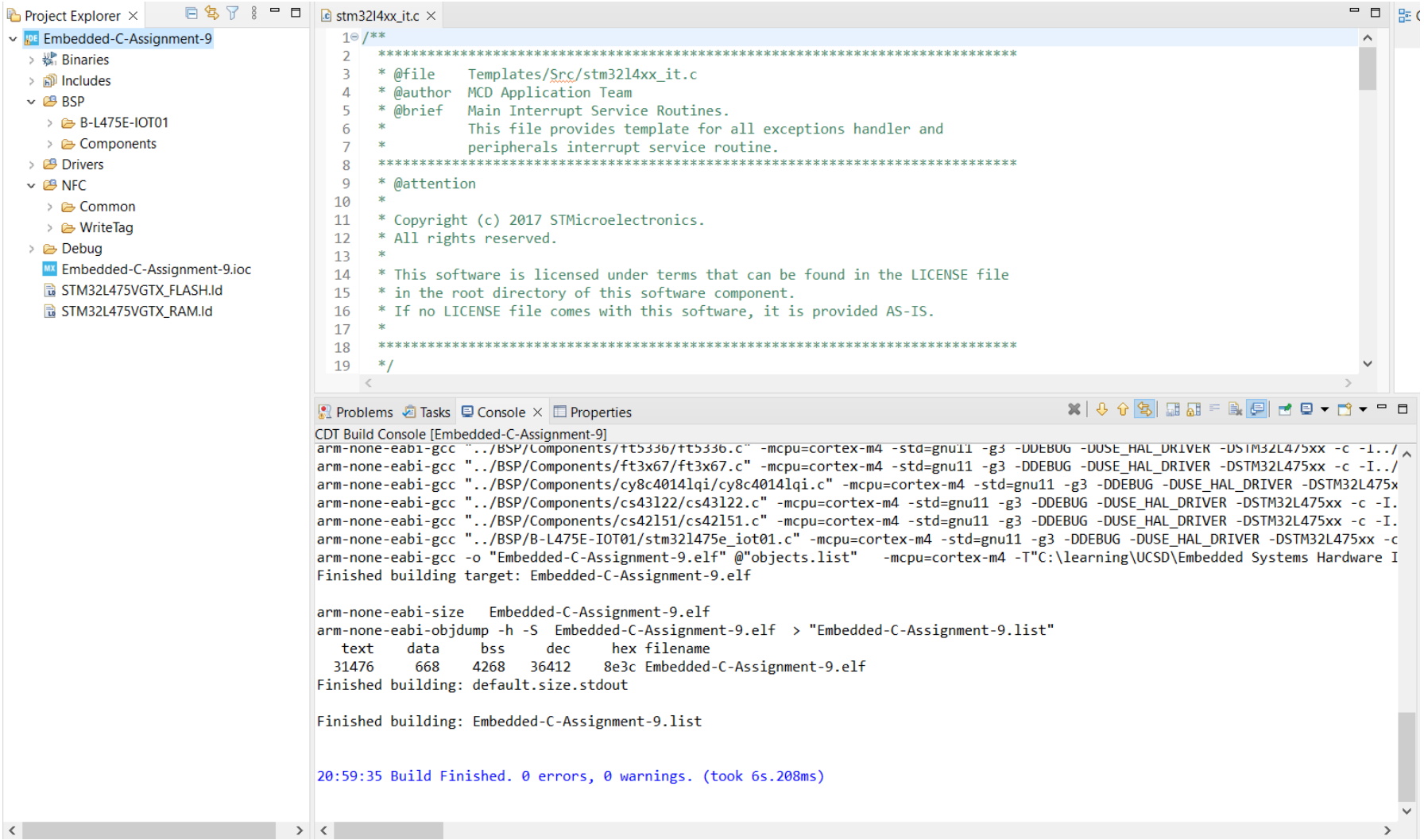
Step 14. Missing component.h file



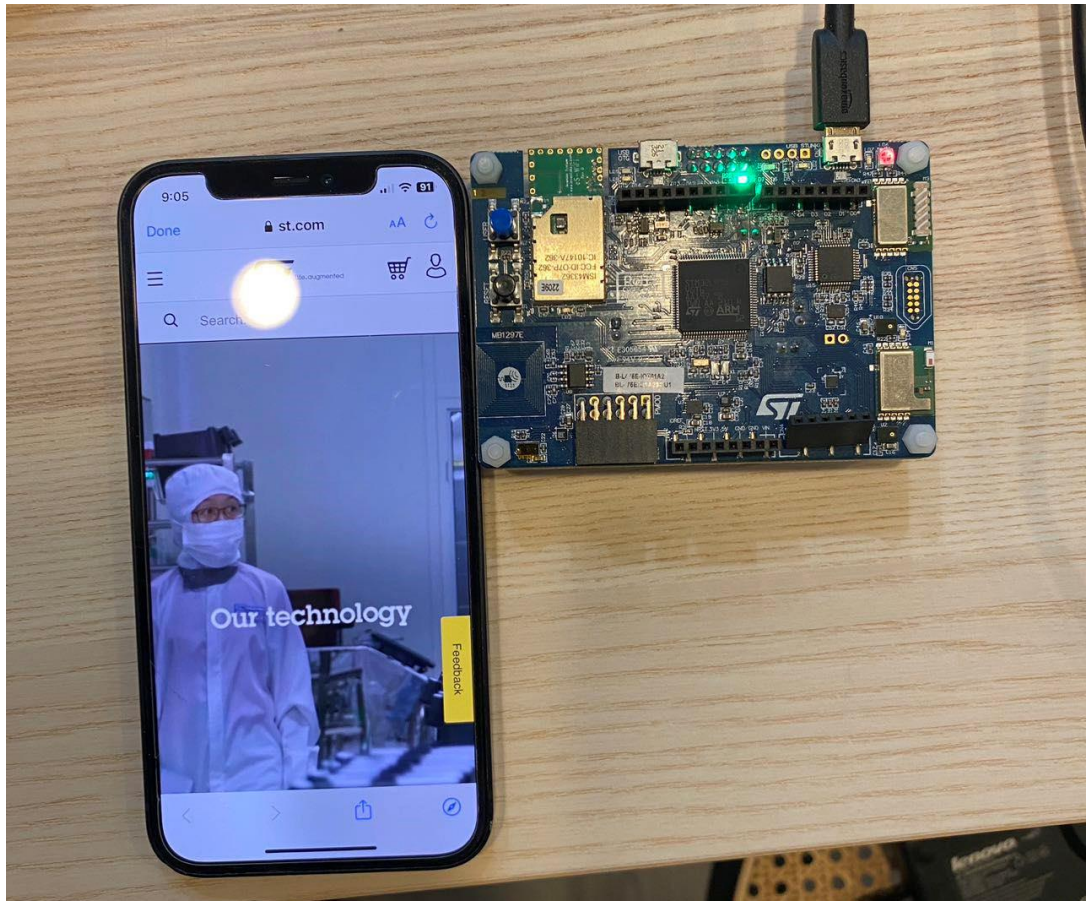
Step 15. Remove nfc_tt4_wrapper_template.c and .h files



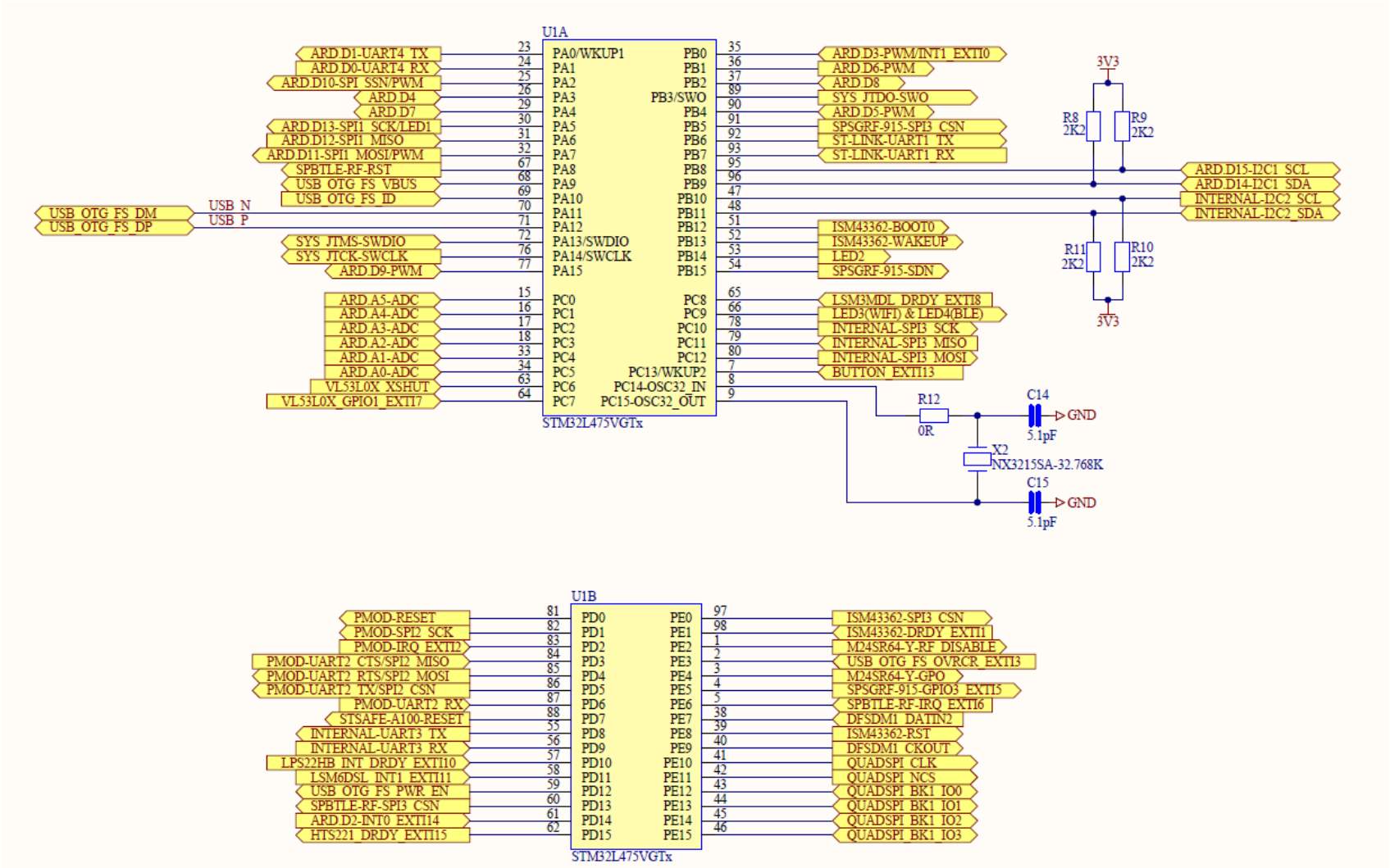
Step 16. Finally, we get a successful build



Step 17. Run the code and open iphone with GoToTags app, we can see the tags pops up and LED rate changing



Appendix, schematic for NFC module, processor side connection



Appendix, schematic for NFC module