UCSD Embedded C Assignment 7

By

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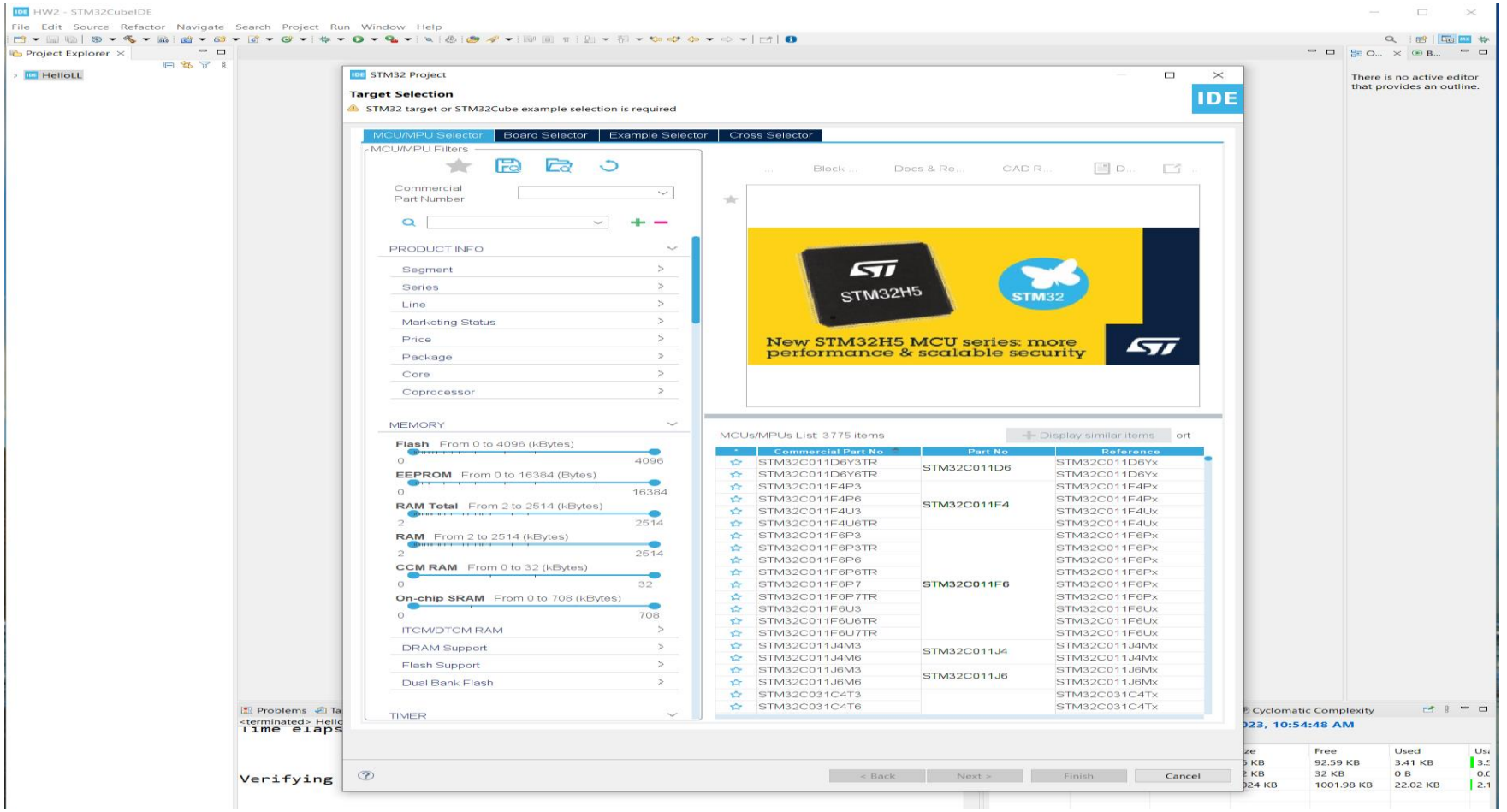
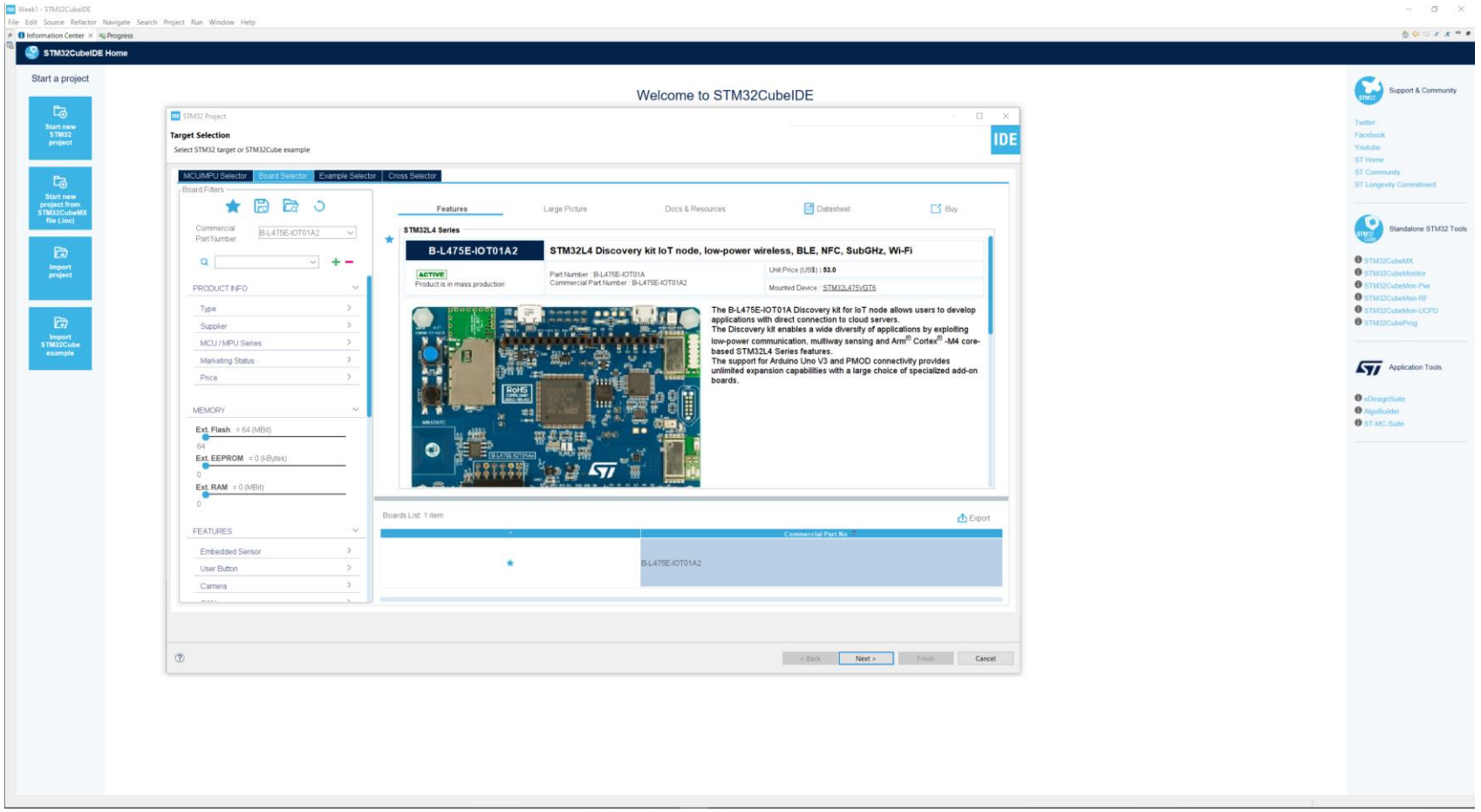
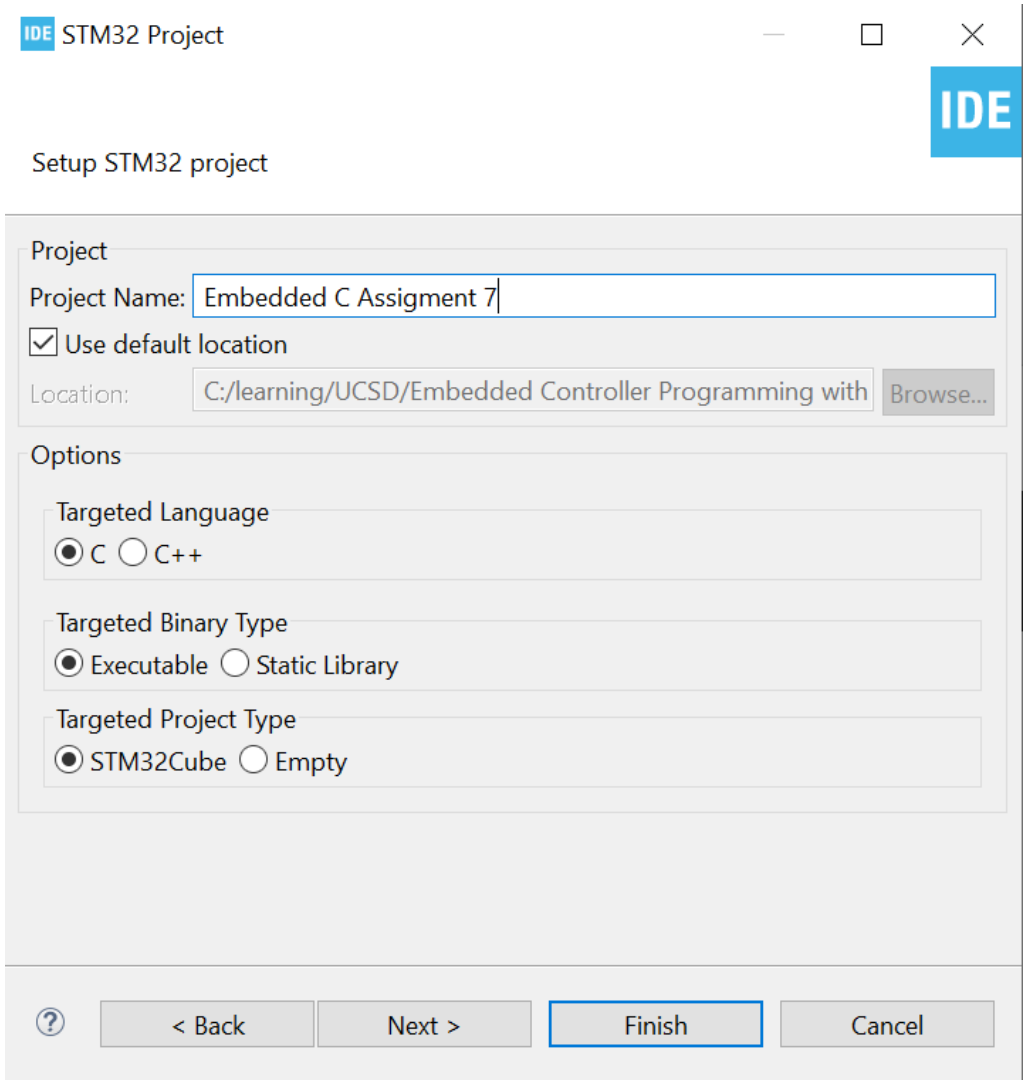
Step 1. Startup STM32CubeIDE and create new STM32 project



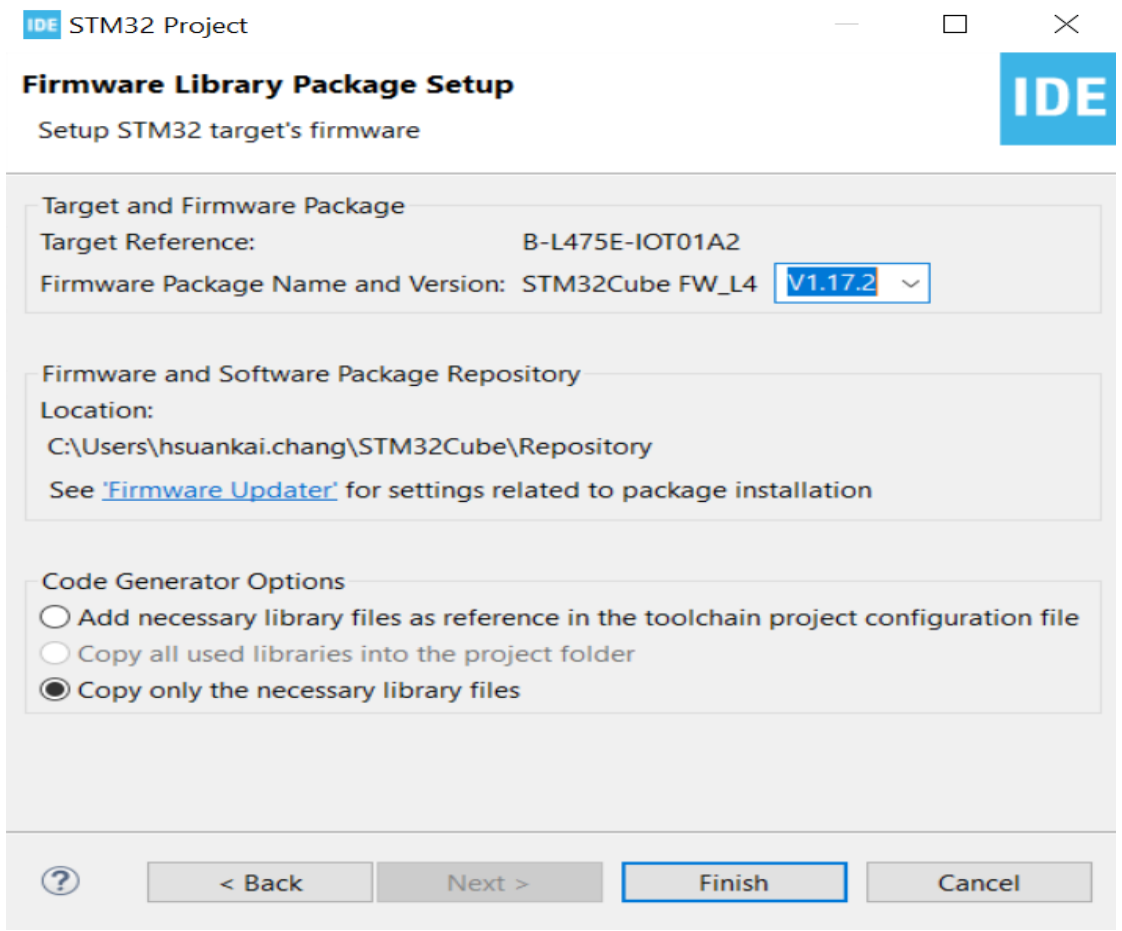
Step 2. Access board selector and type in the board you use, click Next



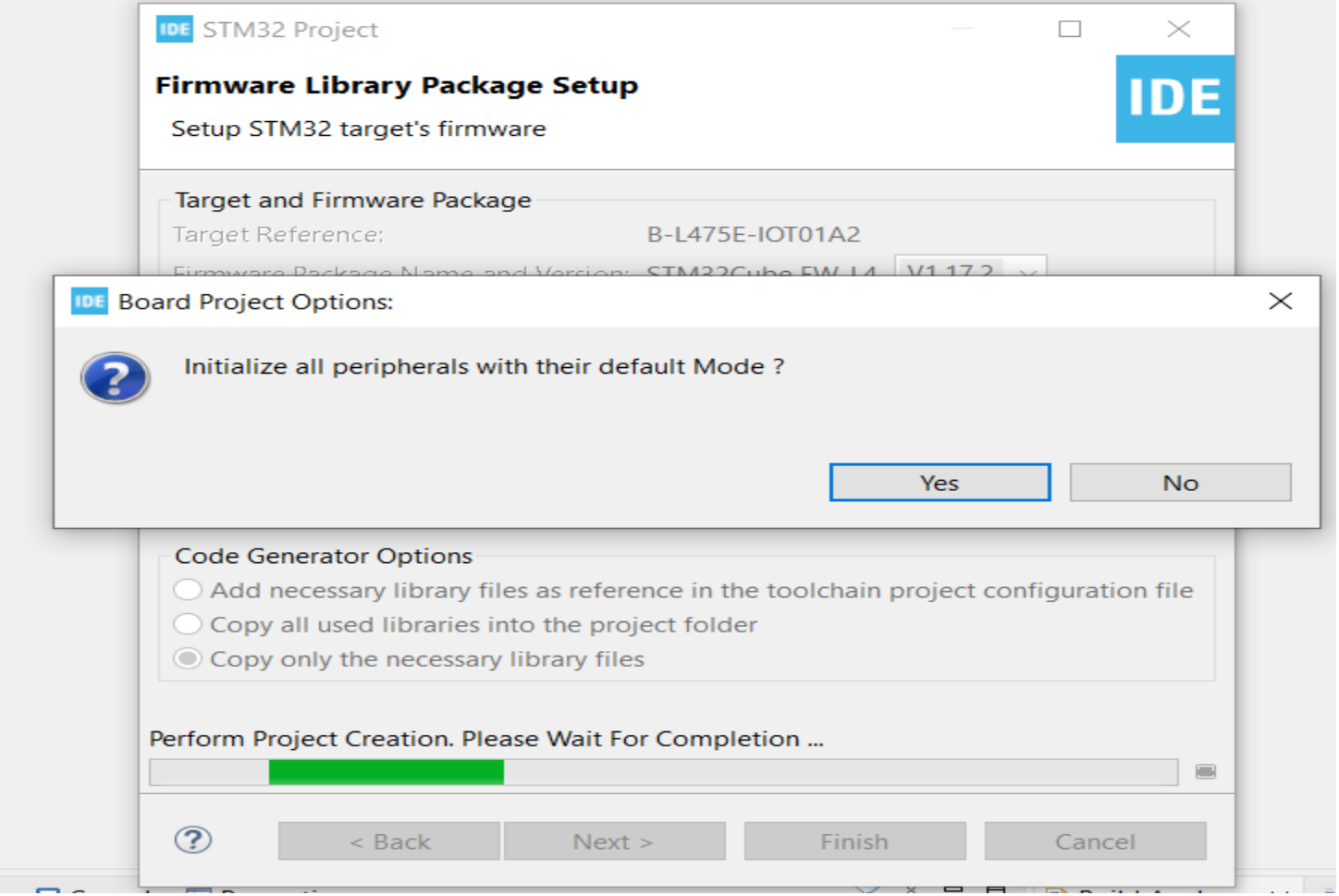
Step 3. Enter the project name then click Next



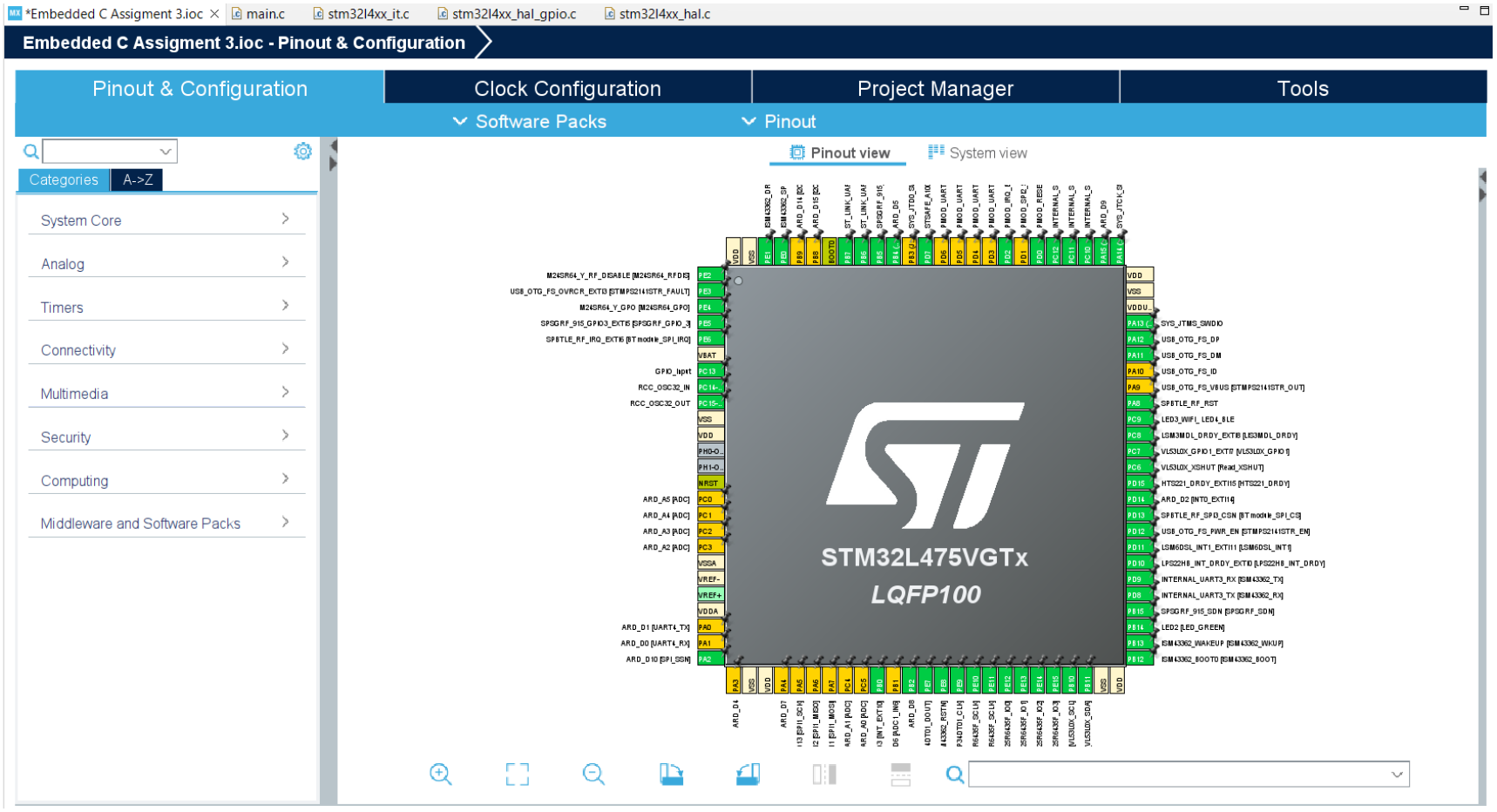
Step 4. See the firmware package name and version



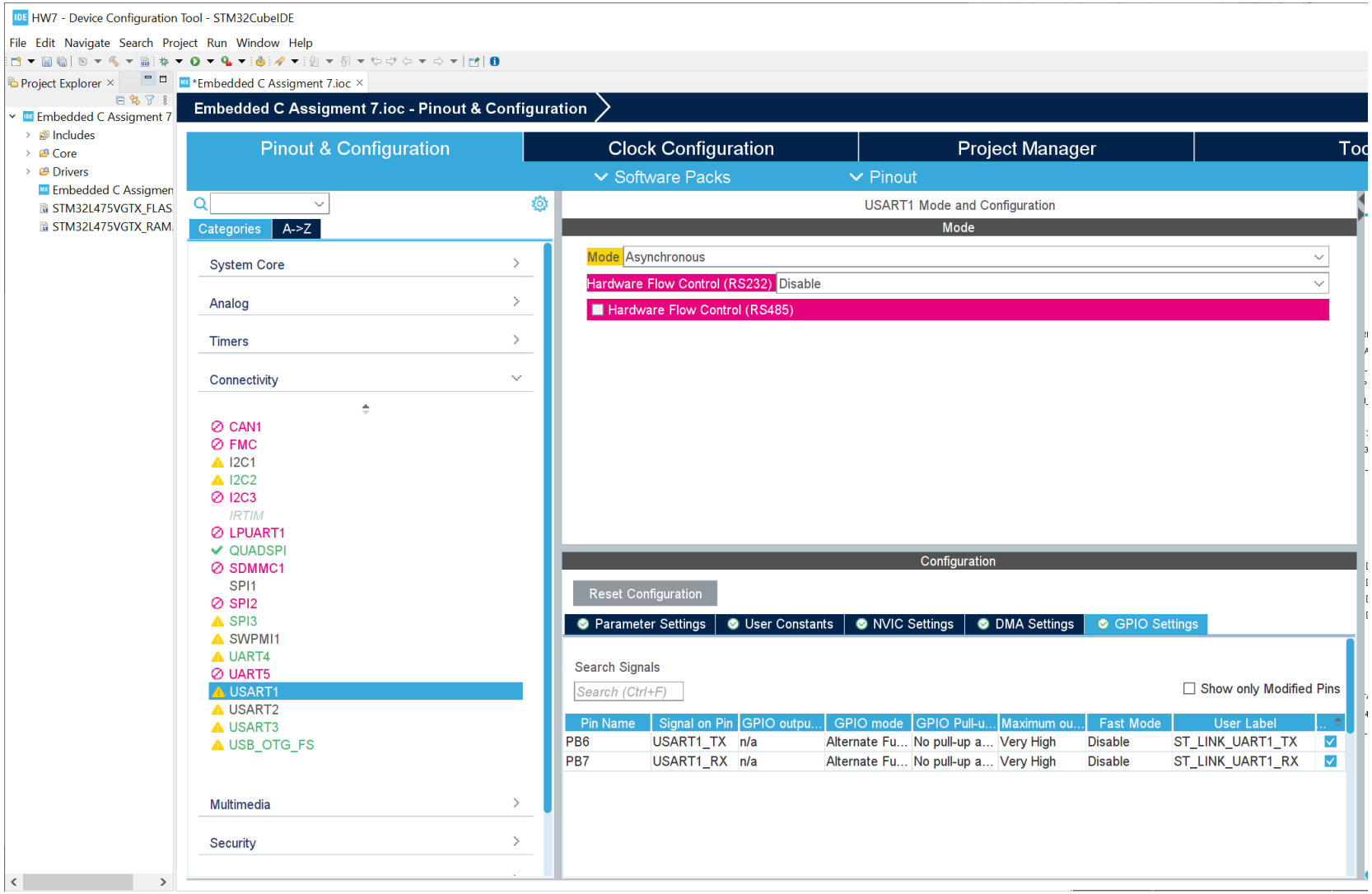
Step 5. Click yes to initialize all peripherals to default



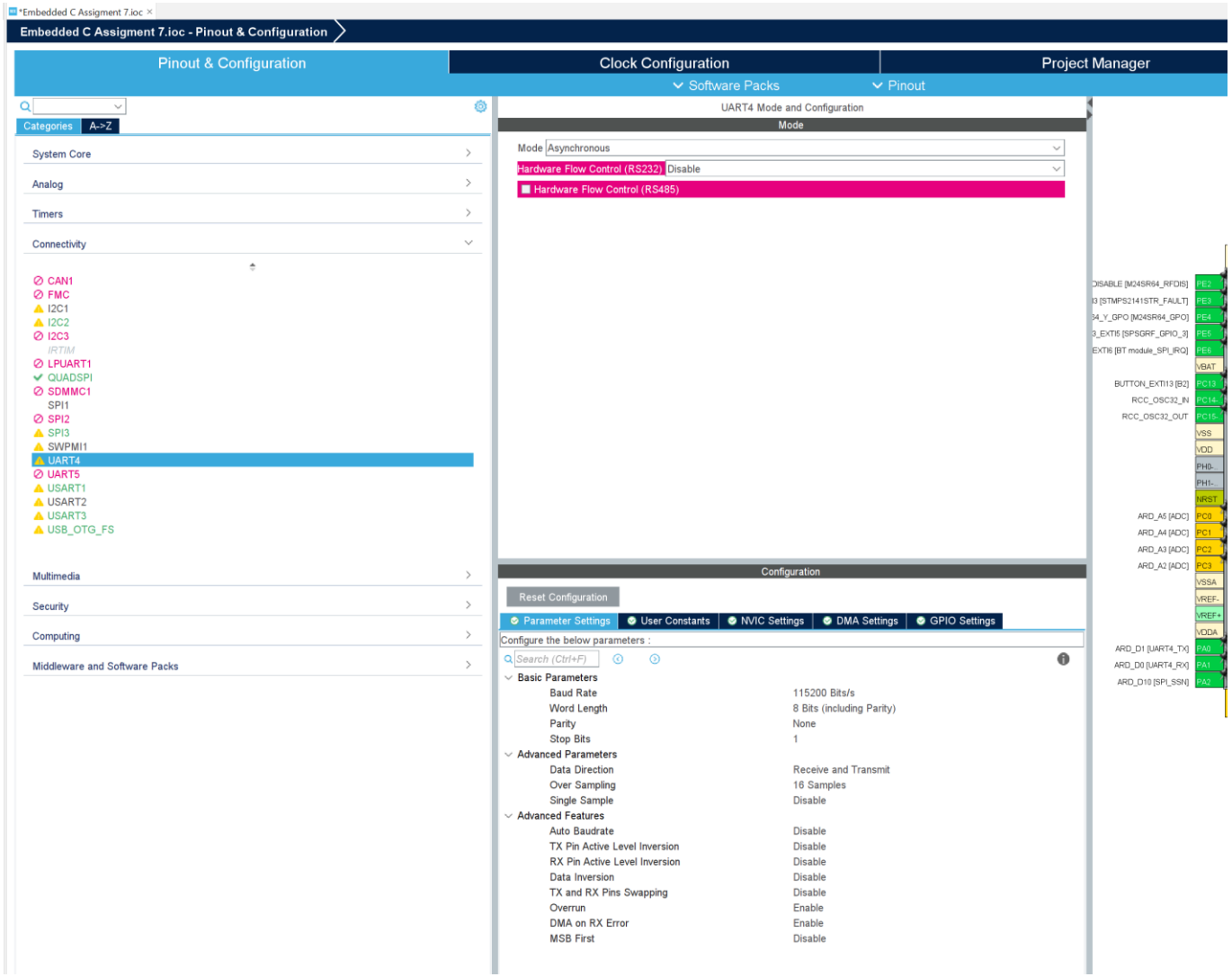
Step 6. When in .ioc file, click Pinout & Configurations



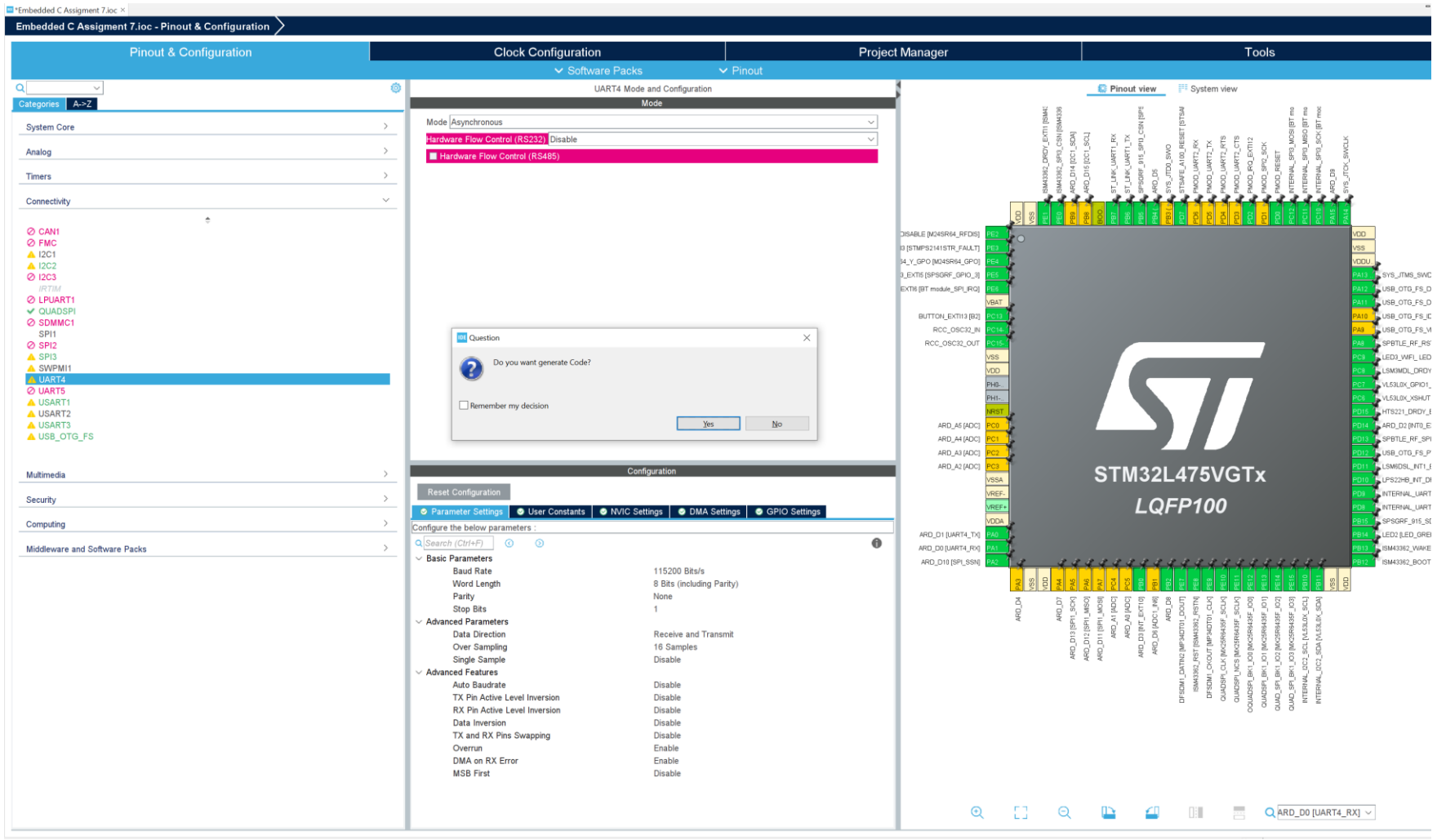
Step 7. Check the setting for USART1



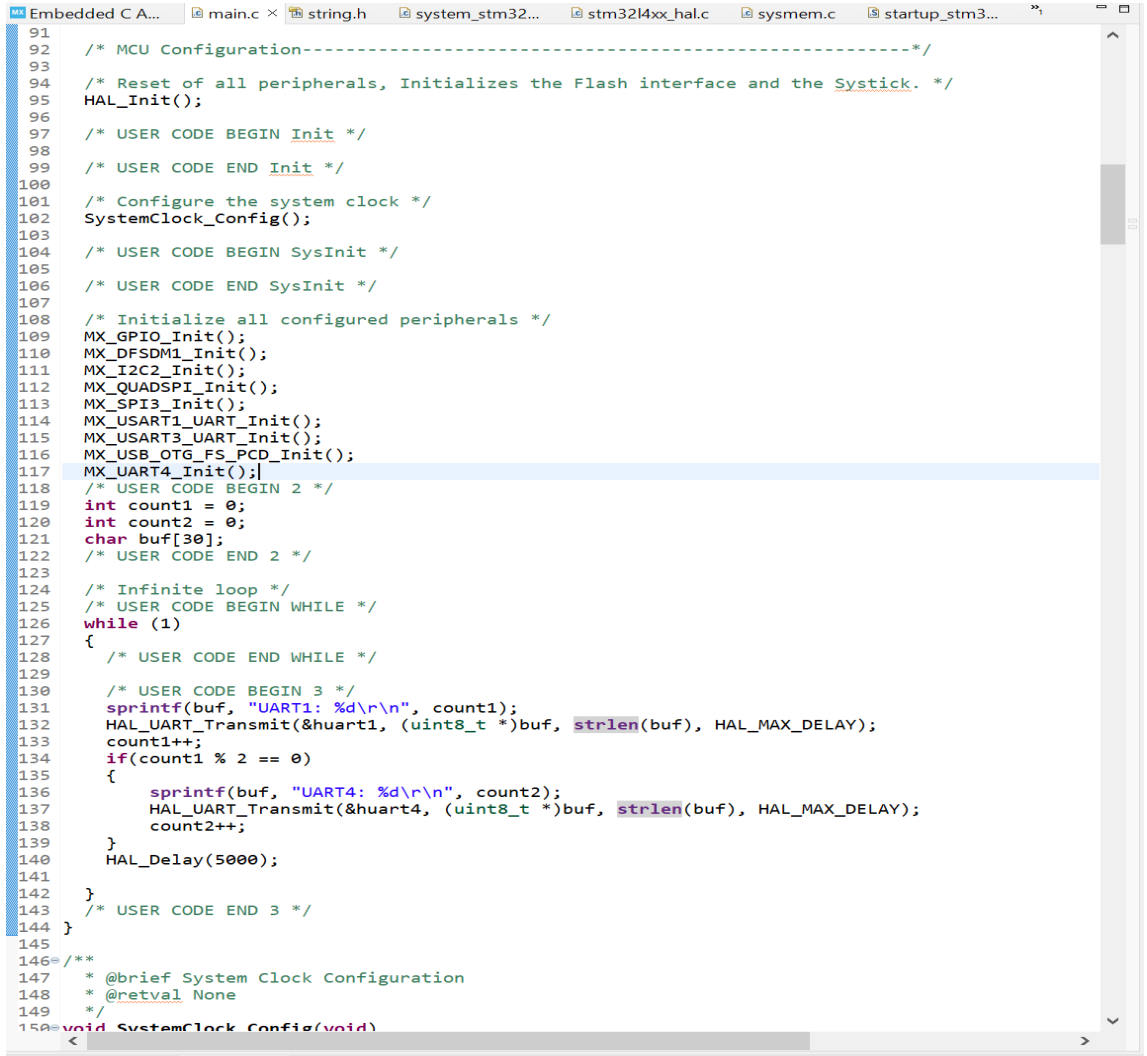
Step 8. Enable UART4 connection



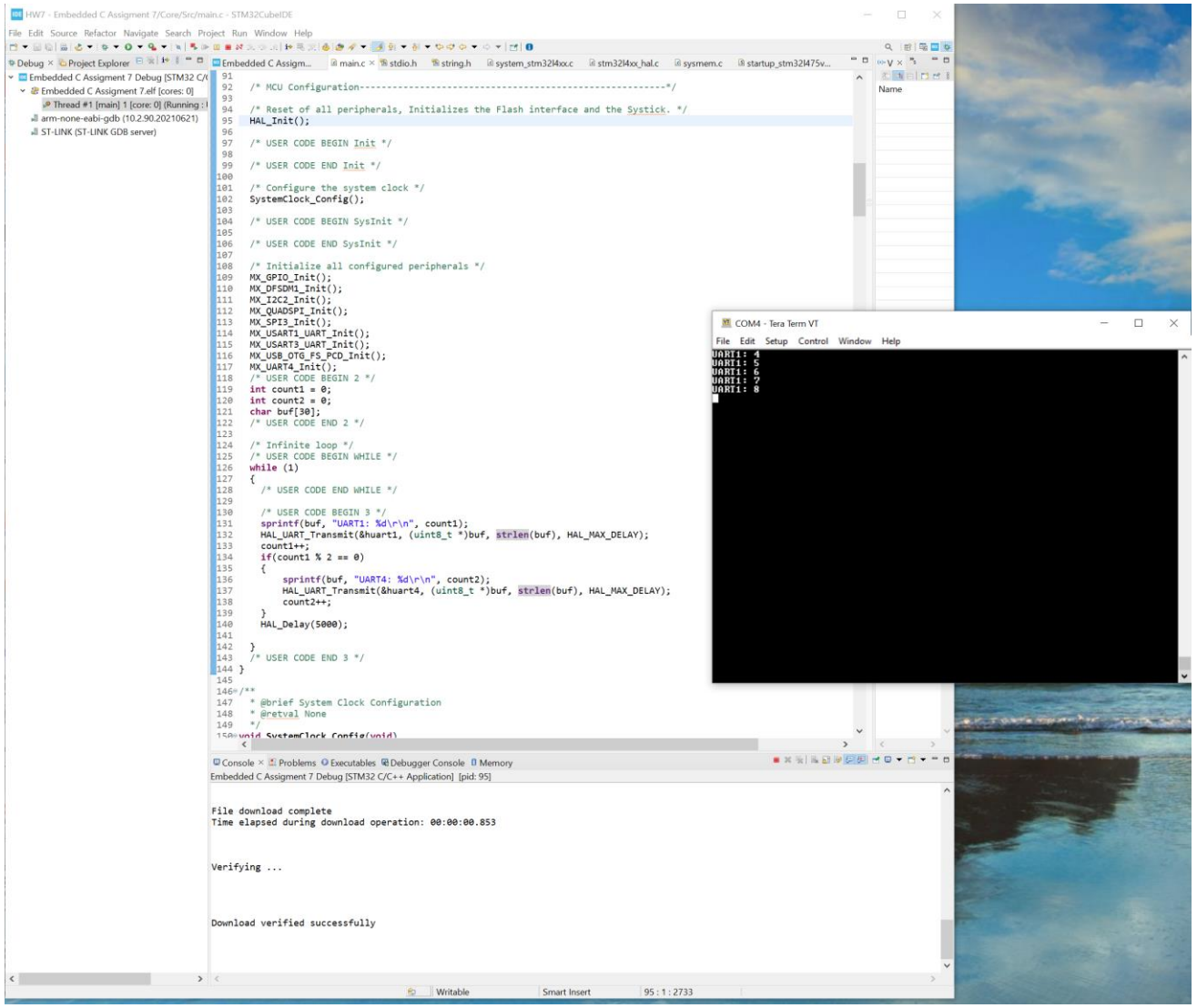
Step 9. Generate code



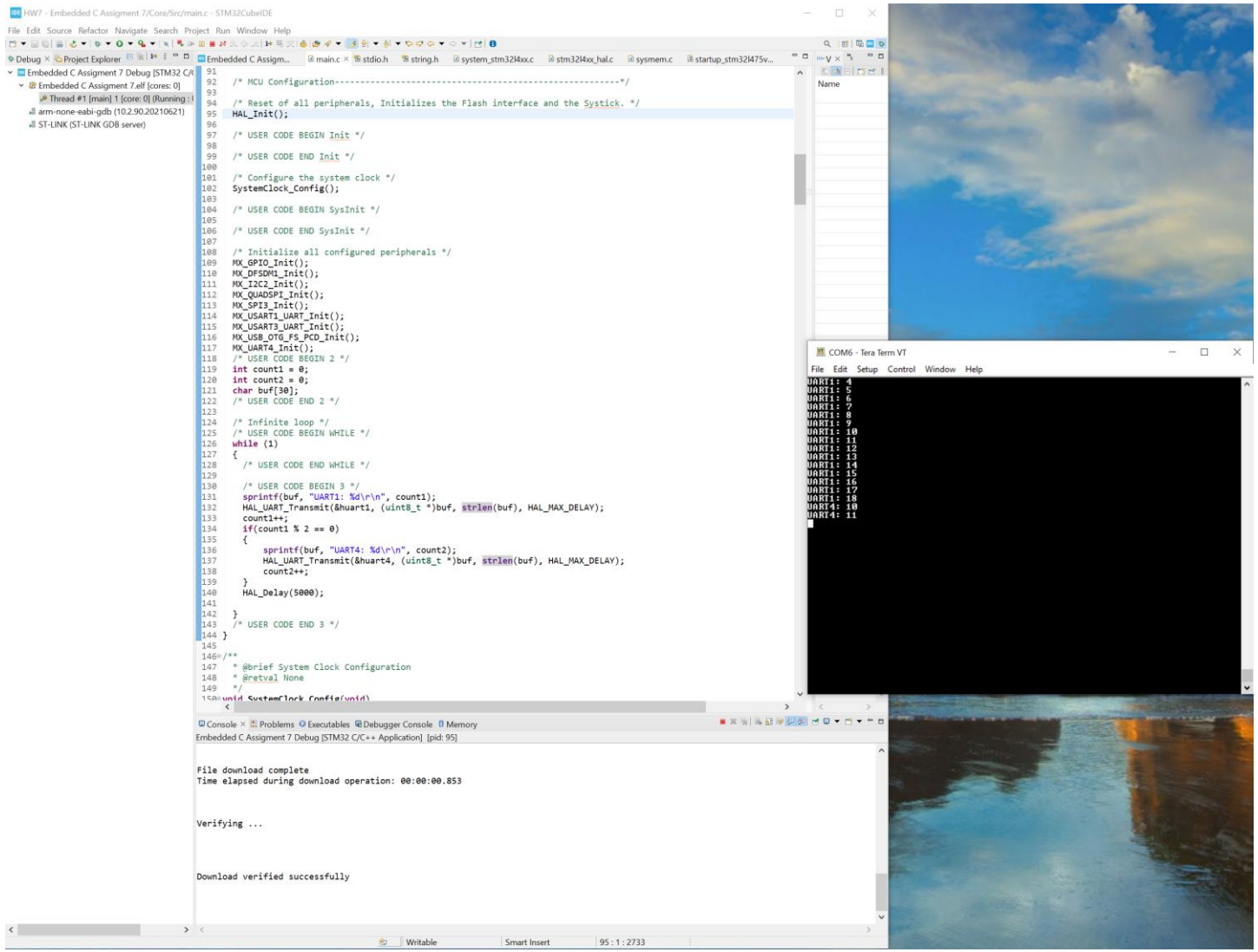
Step 10. In main.c, type the code below to send message to UART1 every 5 second, and to UART4 every 10 seconds



Step 11. Build the code, run in debug mode and open Tera Term to see if we can see the UART1 message



Step 12. Switch Teram Term serial port to see if we can UART4 message, test is successful



Appendix. I use USB to UART converter and connect UART4 Rx and Tx to it