USCD Embedded C Assignment 1

By
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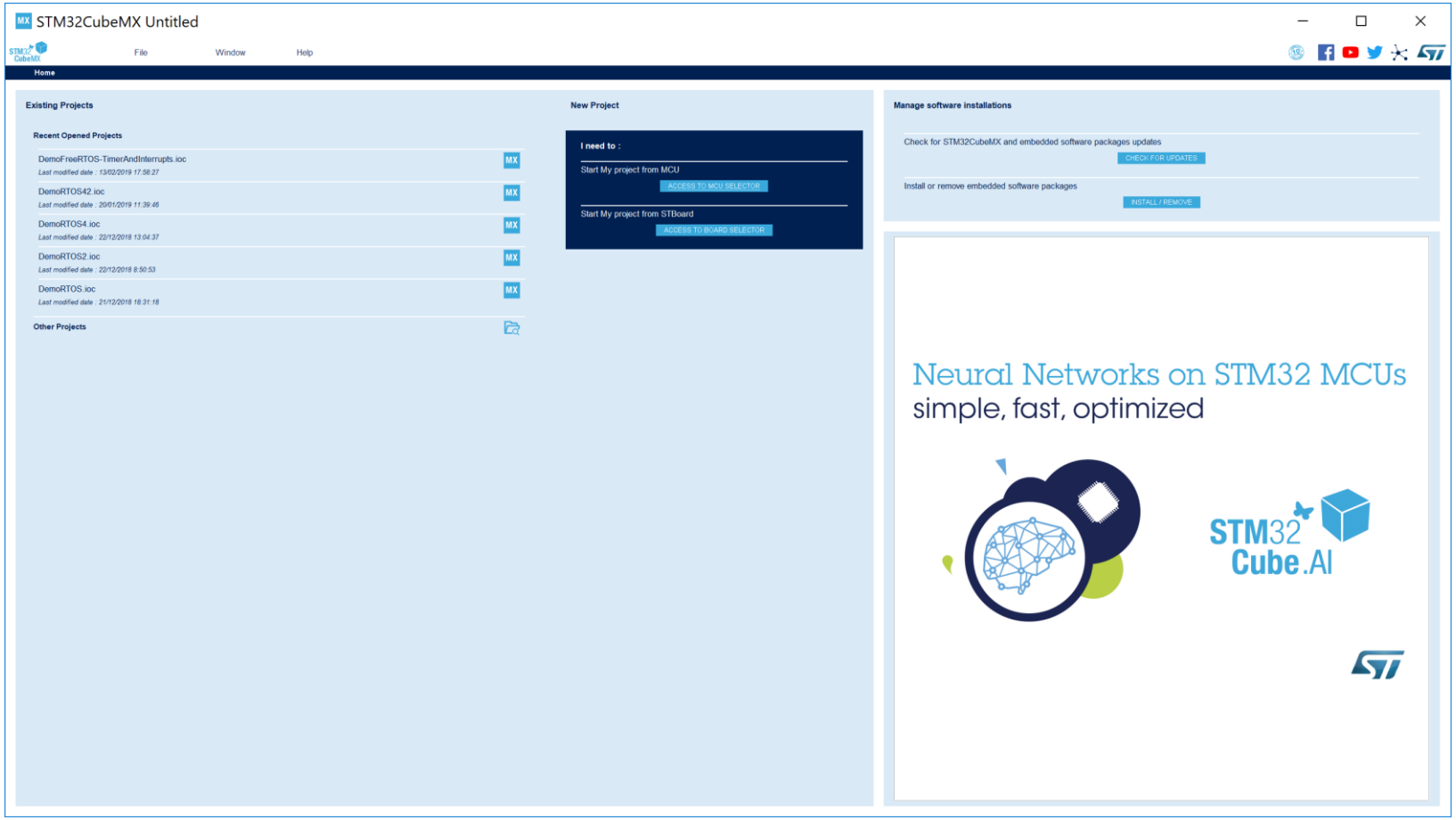
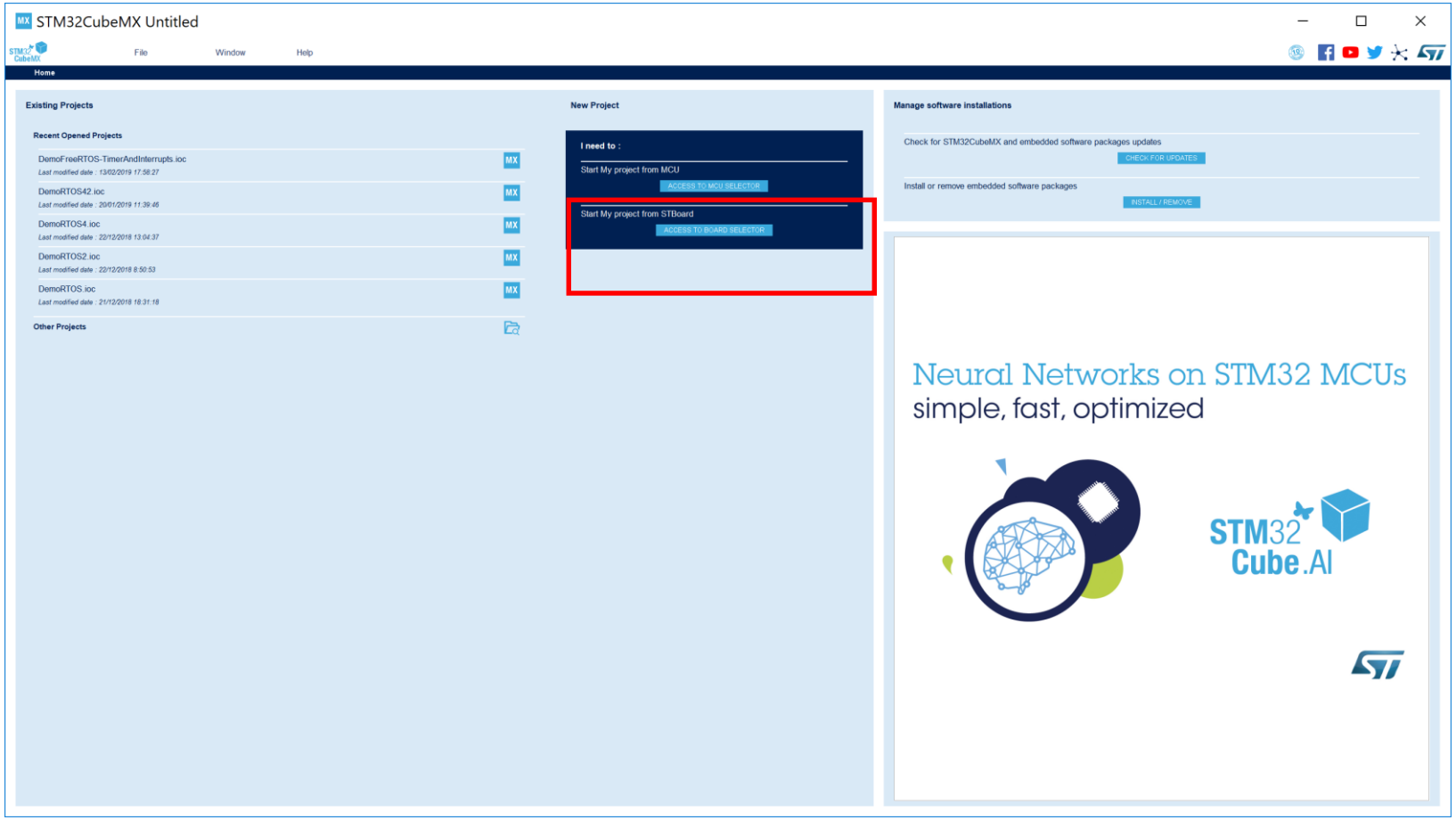
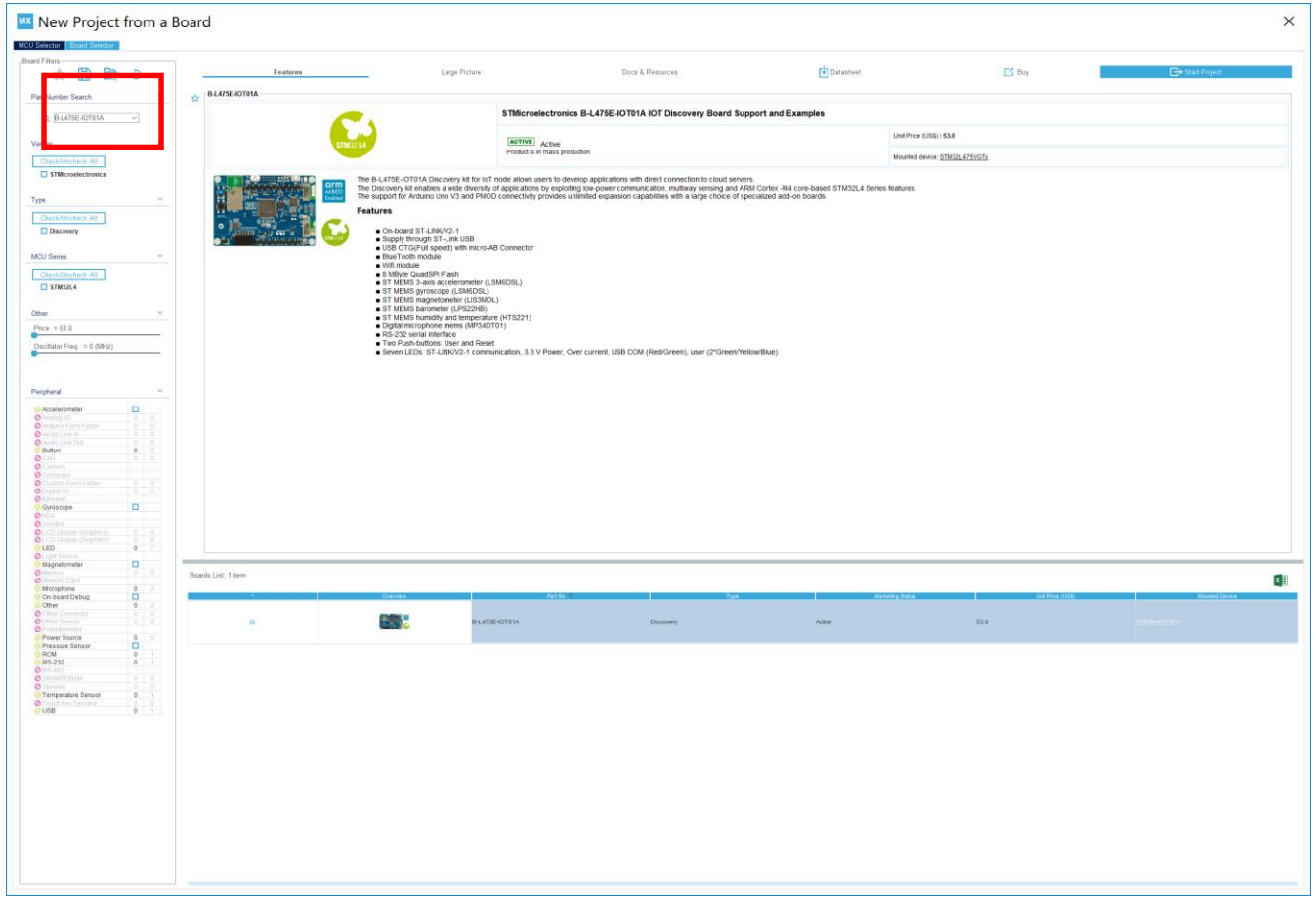
Step 1. Startup STM32CubeMX



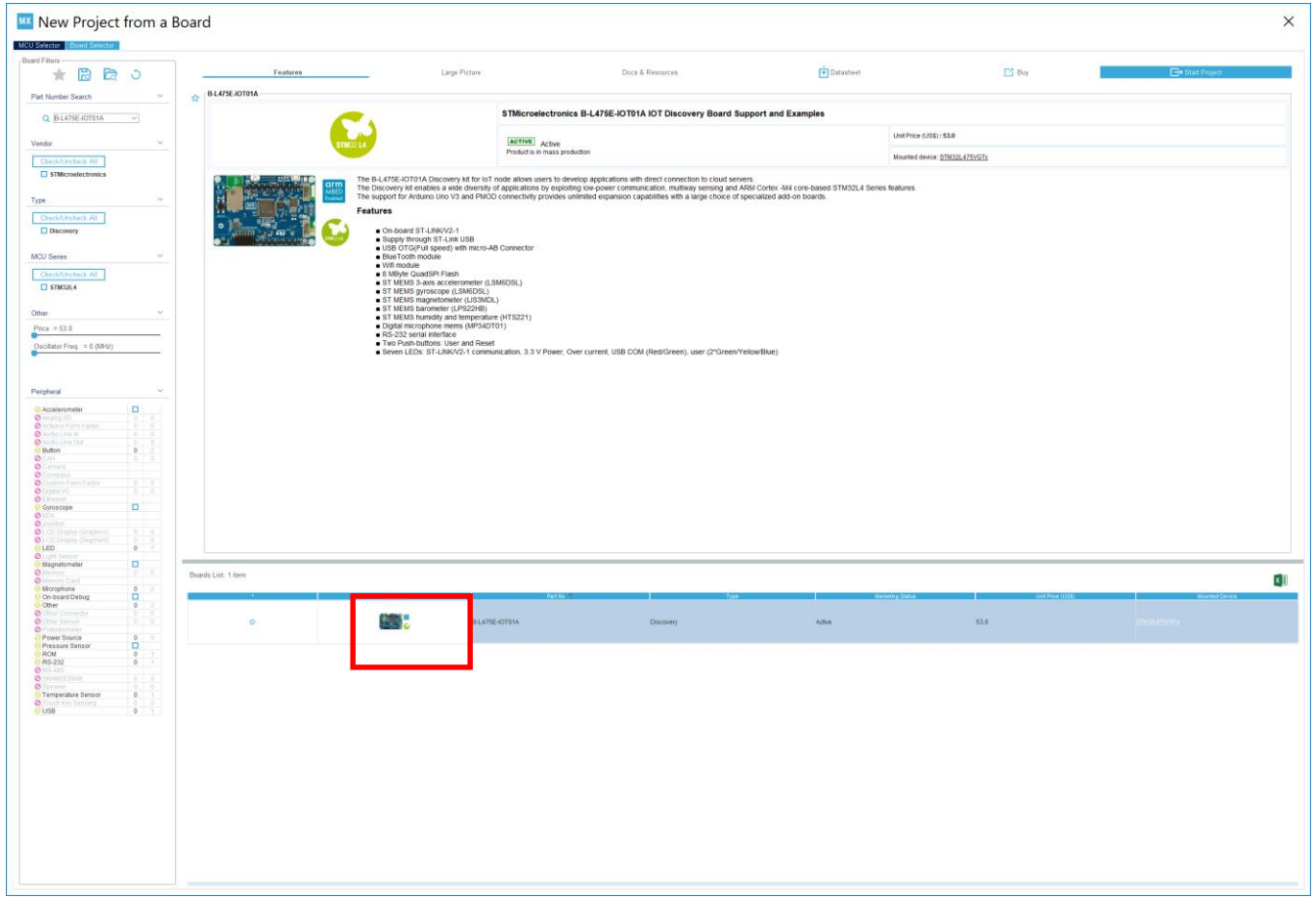
Step 2. Access Board Selector



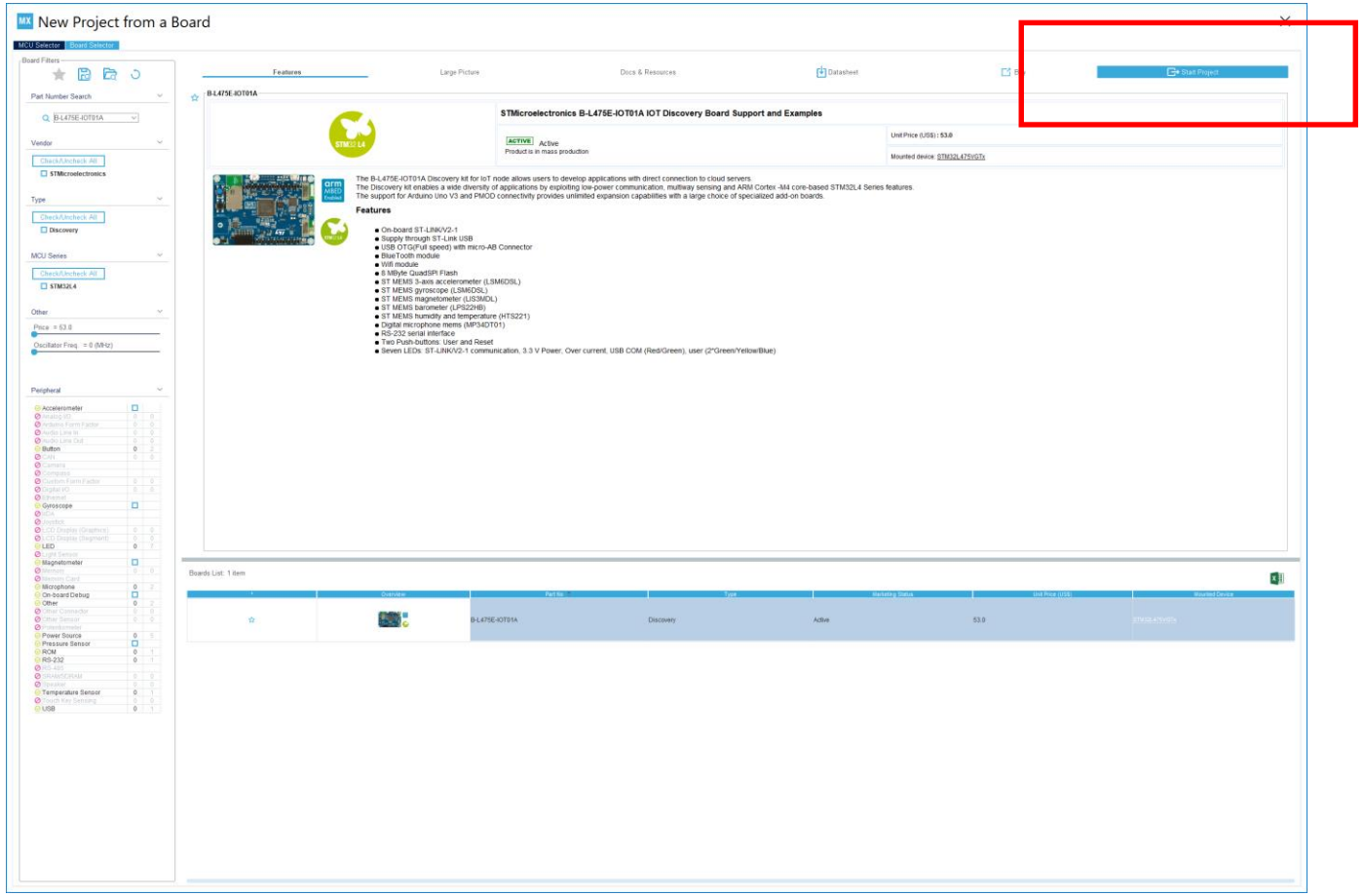
Step 3. Enter “B-L475E-IOT01A” Board



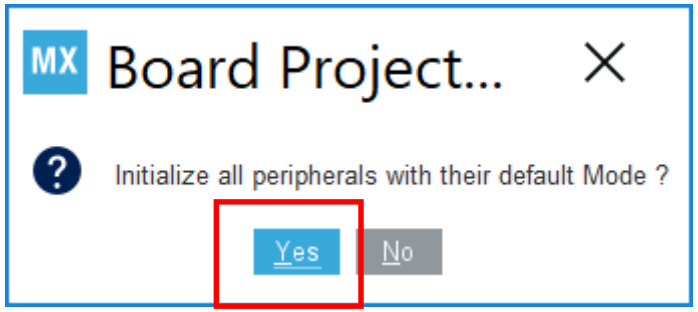
Step 4. Select Board Photo



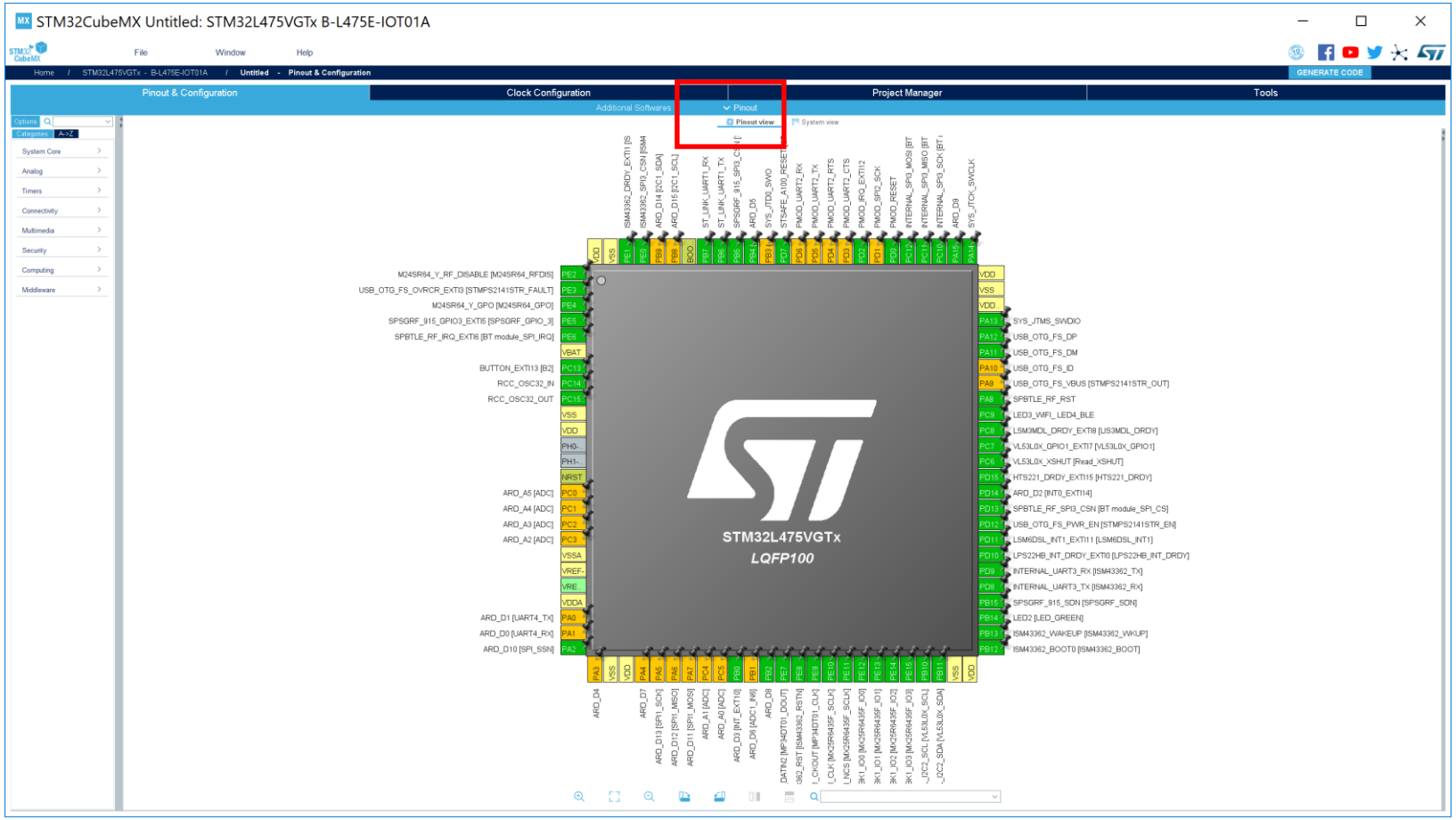
Step 5. Select “Start Project”



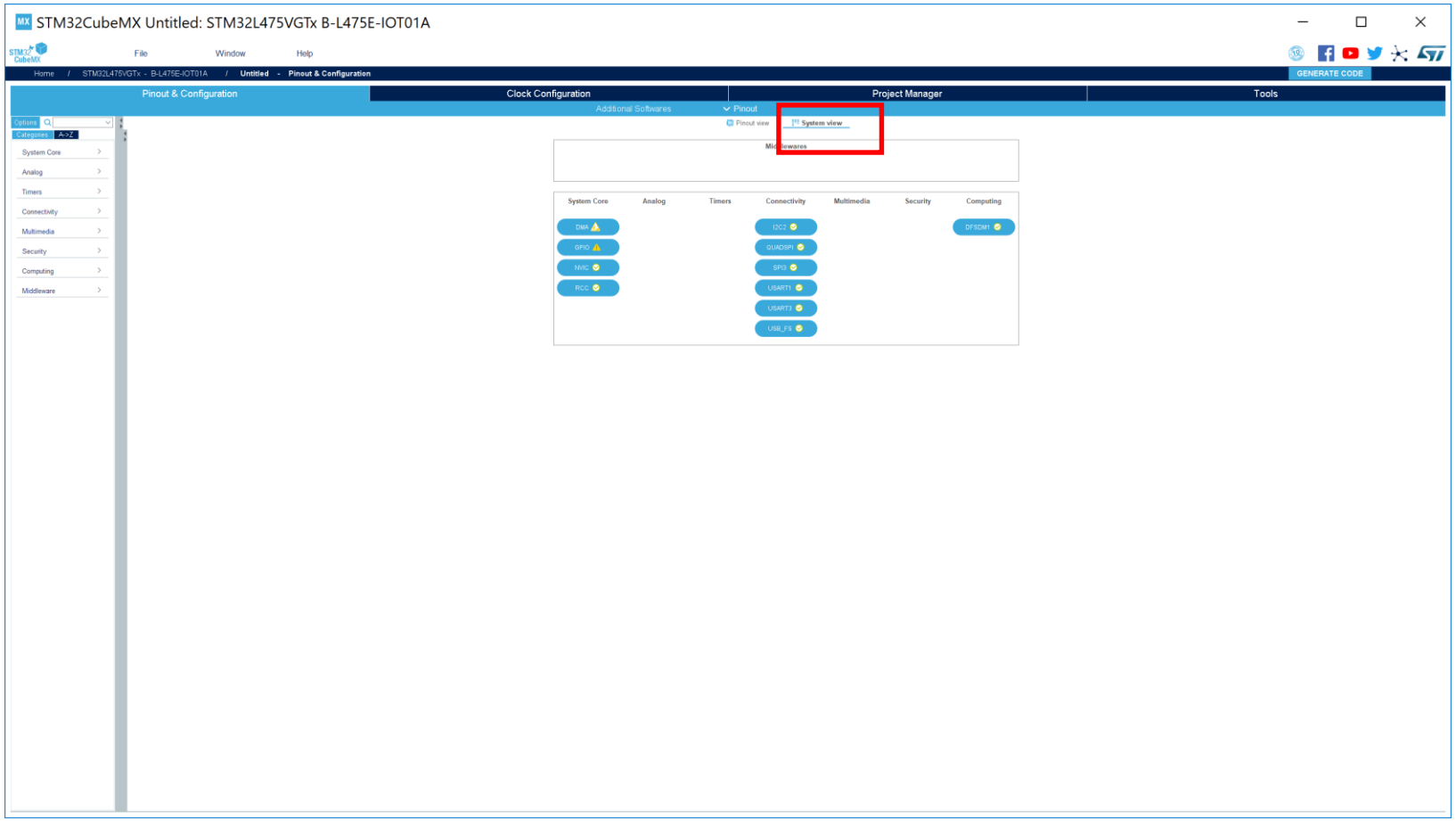
Step 6. Select **YES** (initialize all peripherals with the default mode)



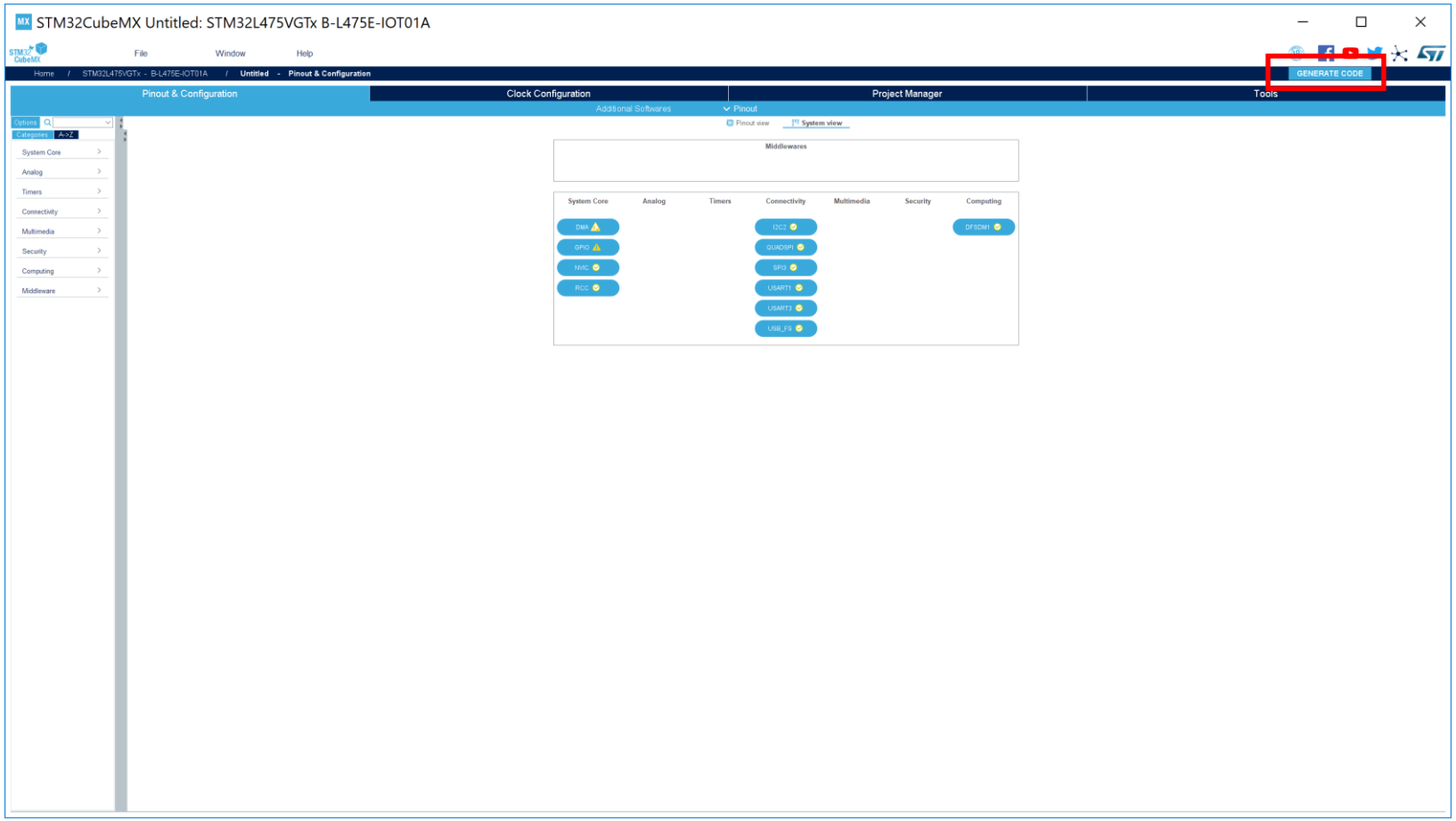
Step 7. Observe Results (Pinout View)



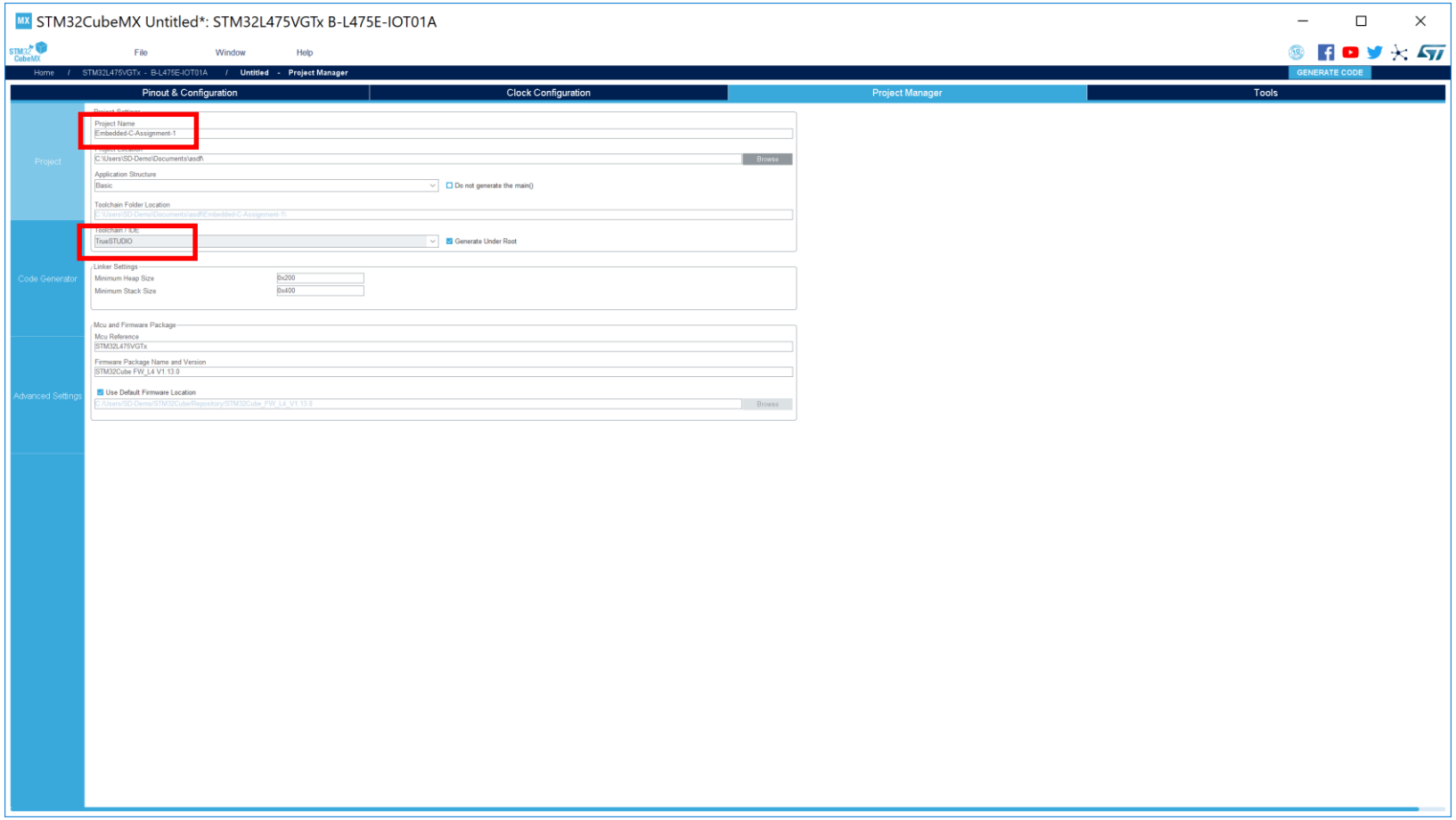
Step 8. Observe Results (System View)



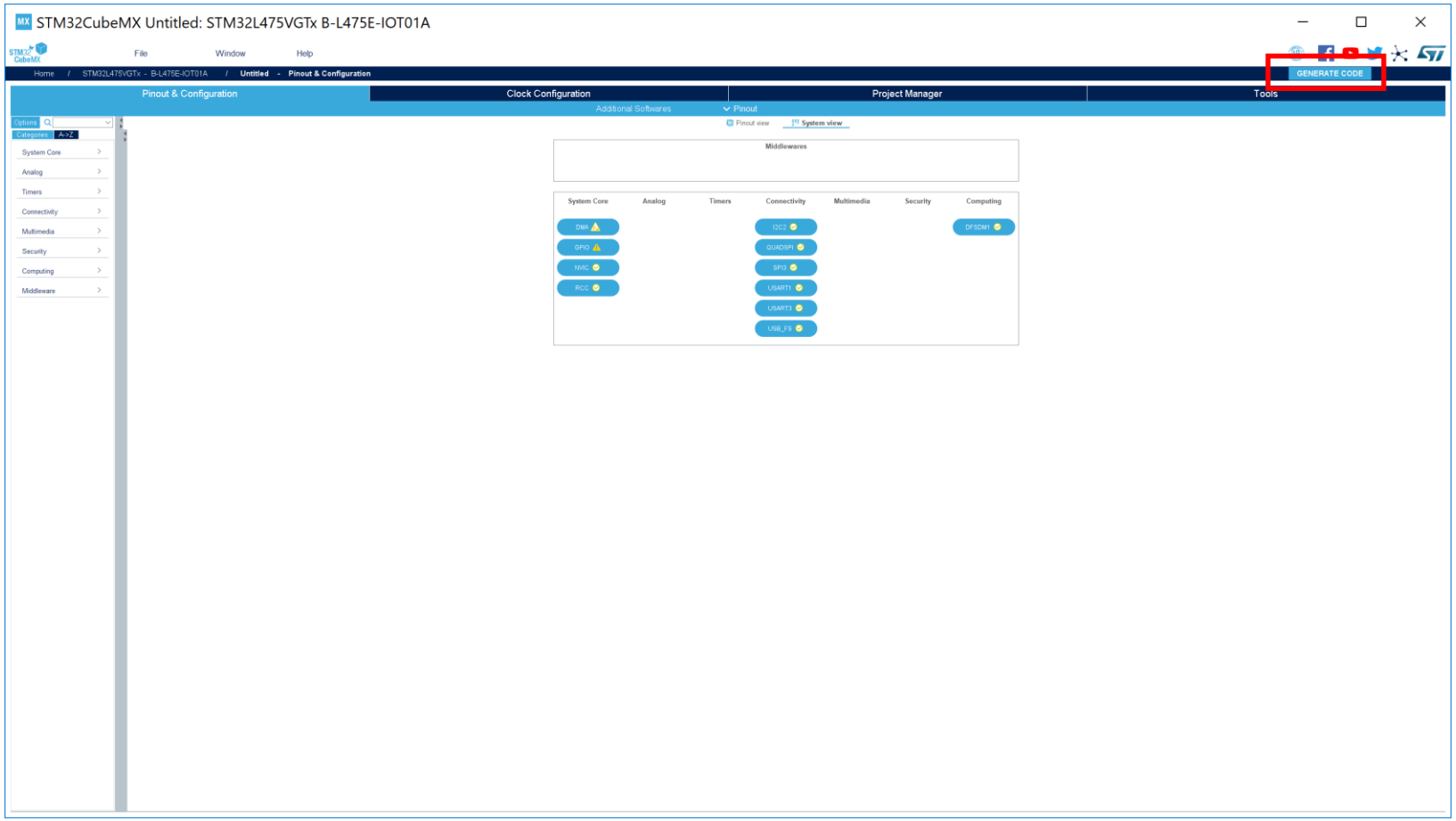
Step 9. Select “Generate Code”



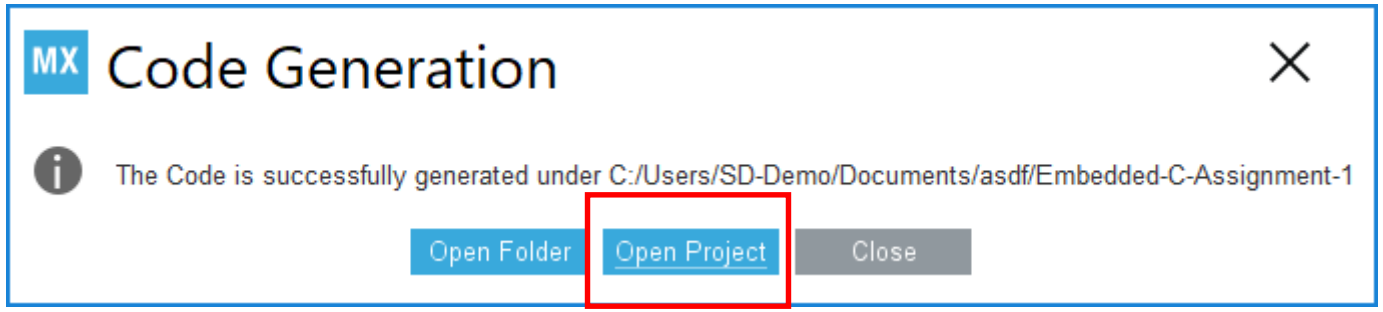
Step 10. Enter “Embedded-C-Assigment-1” and select TrueStudio as IDE



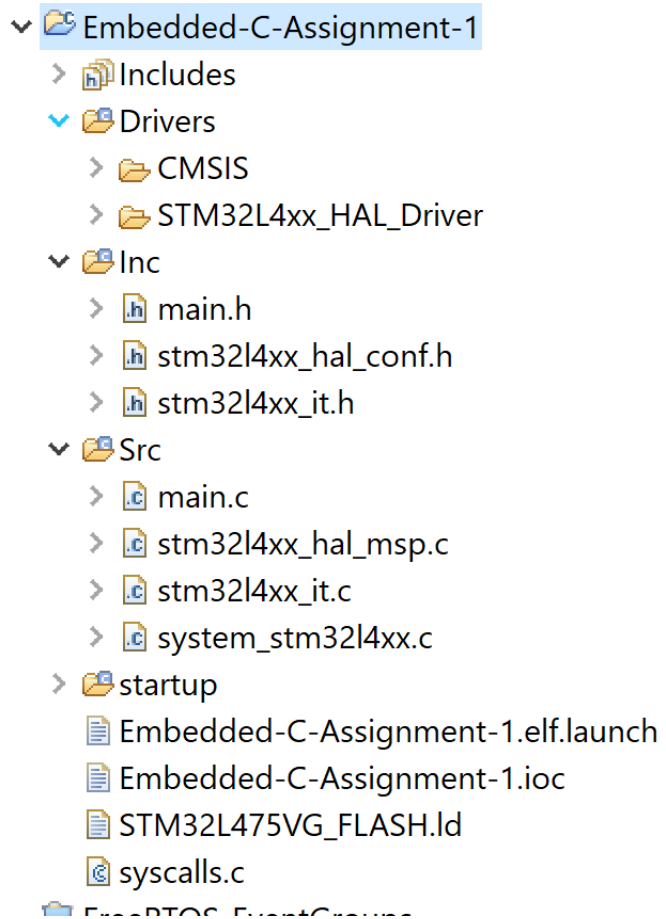
Step 11. Select “Generate Code”



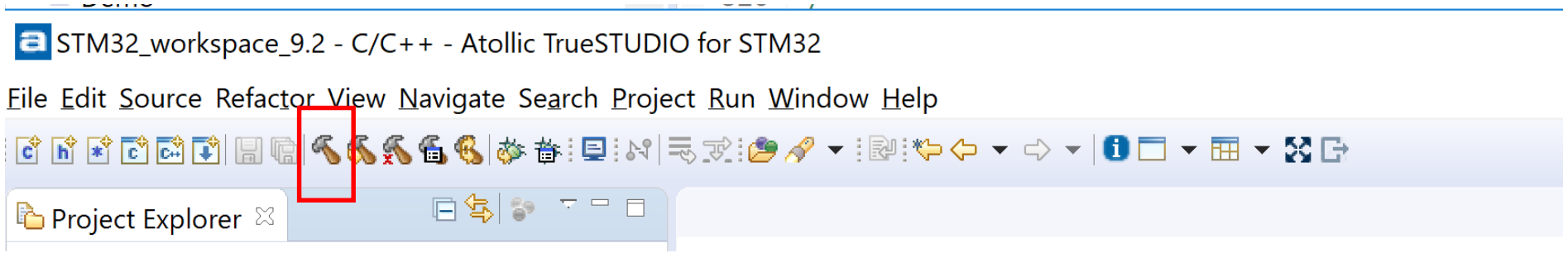
Step 12. Select “Open Project”

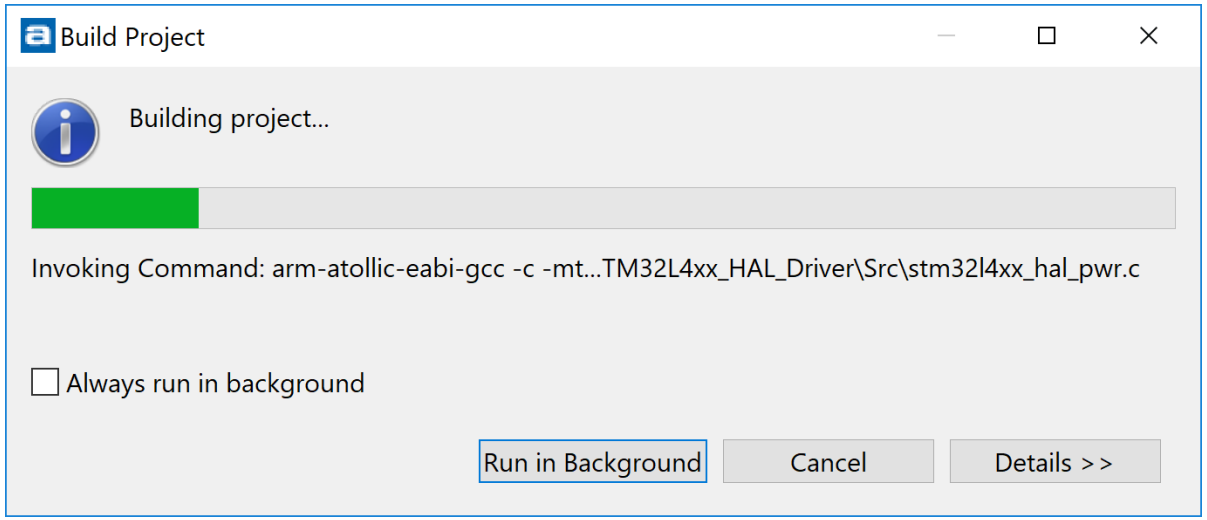


Step 13. Resulting Project



Step 14. Build Project





Step 15. Results of Build

Build Analyzer | Static Stack Analyzer | Problems | Tasks | Console | Properties

CDT Build Console [Embedded-C-Assignment-1]

```
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -c -mthumb -mcpu=cortex-m4 -mfloat-abi=hard -mfpu=fpv4-sp-d16 -std=gnu11 -D__w
arm-atollic-eabi-gcc -o Embedded-C-Assignment-1.elf Drivers\STM32L4xx_HAL_Driver\Src\stm32l4xx_hal.
C:\Program Files (x86)\Atollic\TrueSTUDIO for STM32 9.2.0\ide\jre\bin\java -jar C:\Program Files (x
Generate build reports...
Print size information
   text    data     bss     dec     hex filename
  11204      12    3180   14396    383c Embedded-C-Assignment-1.elf
Print size information done
Generate listing file
Output sent to: Embedded-C-Assignment-1.list
Generate listing file done
Generate build reports done
```