**Steps to set up the Blinking LED on NUCLEO-F446RE**

1. From https://www.st.com/en/development-tools/stm32cubeide.html, download and install STM32CubeIDE software.
2. Launch the software, start a new project and select STM32F446RE under “Board Selector” tab.
3. Type the project name and then click “Finish” without changing any setting.
4. When “Initialize all peripherals with their default Mode?” message pops out, click “Yes” so that the pins on the board will be programmed with all the functions pre-built with the board.
5. In menu bar, select “Project >>Generate Code”, or alternatively, press Alt+K and do the coding in the while loop inside the “main” function.
6. There are two methods to make the LED on the board blink.
   1. WritePin Method



* 1. TogglePin Method



1. Click on the  icon to build the project and compile the code to ensure without error.
2. Clink on the  icon to upload the code to the STM32 board, leave the settings as default and click “OK”.
3. If this message shows up, it means the code has been successfully uploaded and blinking LED will be seen on the STM32 board.

