Tutorial 5: Creating a C Project in the STM32CubeIDE

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Fall 2019

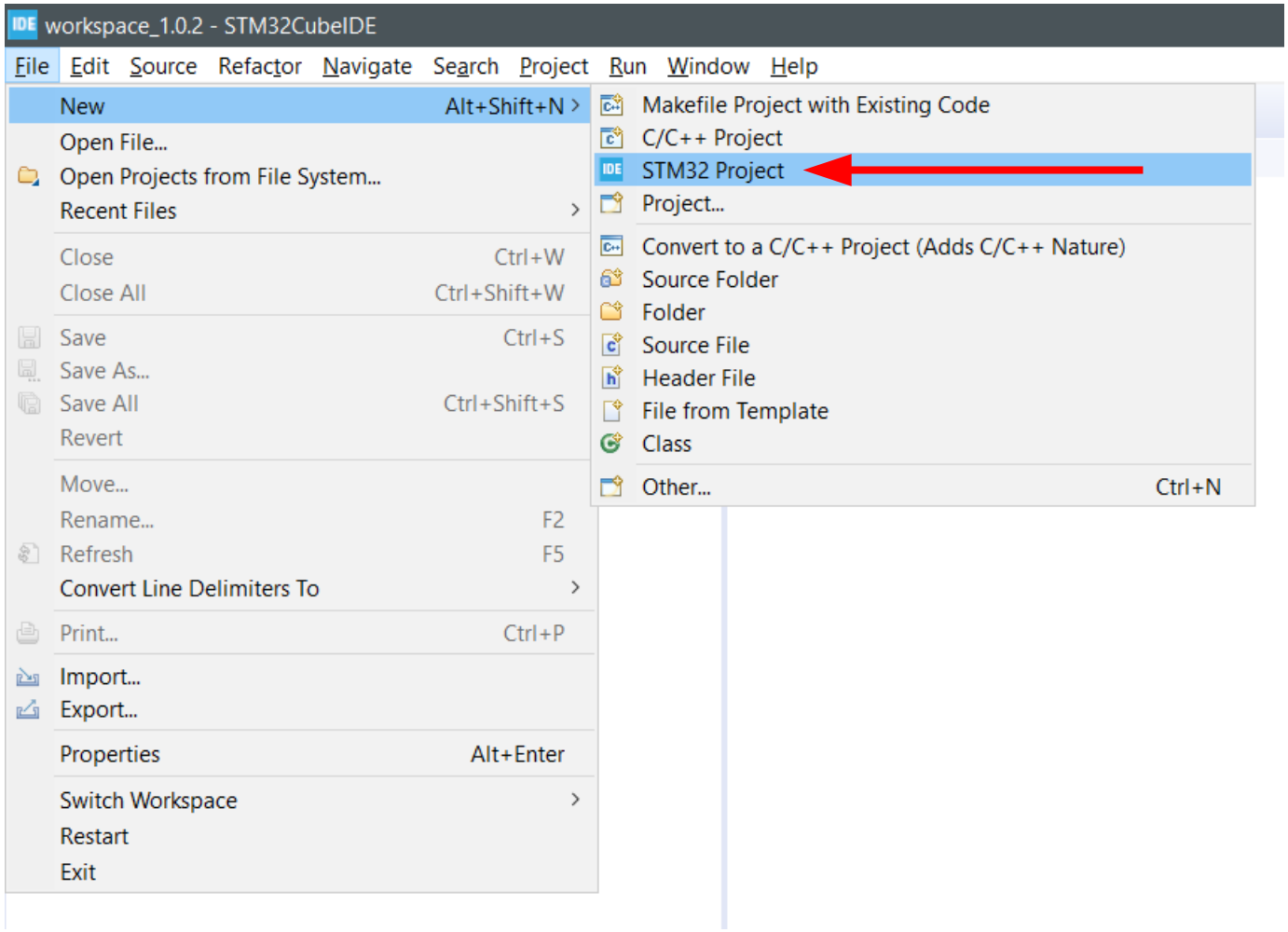
Creating a New **C** Project on **STM32CubeIDE**

- This document shows step-by-step how to create a new **C** project on **STM32CubeIDE**.

- Follow the tutorial exactly as it is shown here. Otherwise, you can face compilation errors with your code.

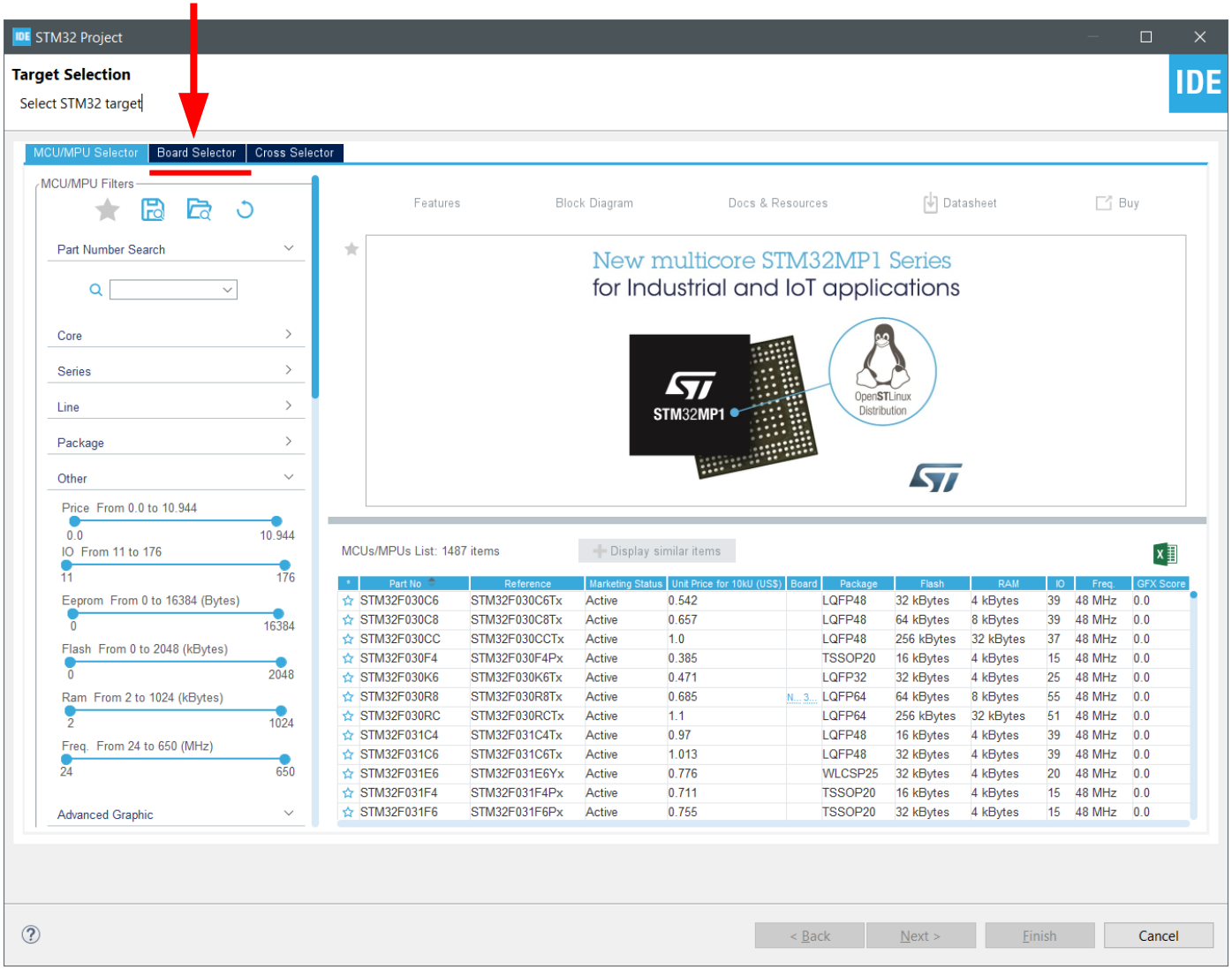
Creating a New **C** Project on **STM32CubeIDE**

- Once the IDE has opened, you need to select **`File → New → STM32 Project`**.



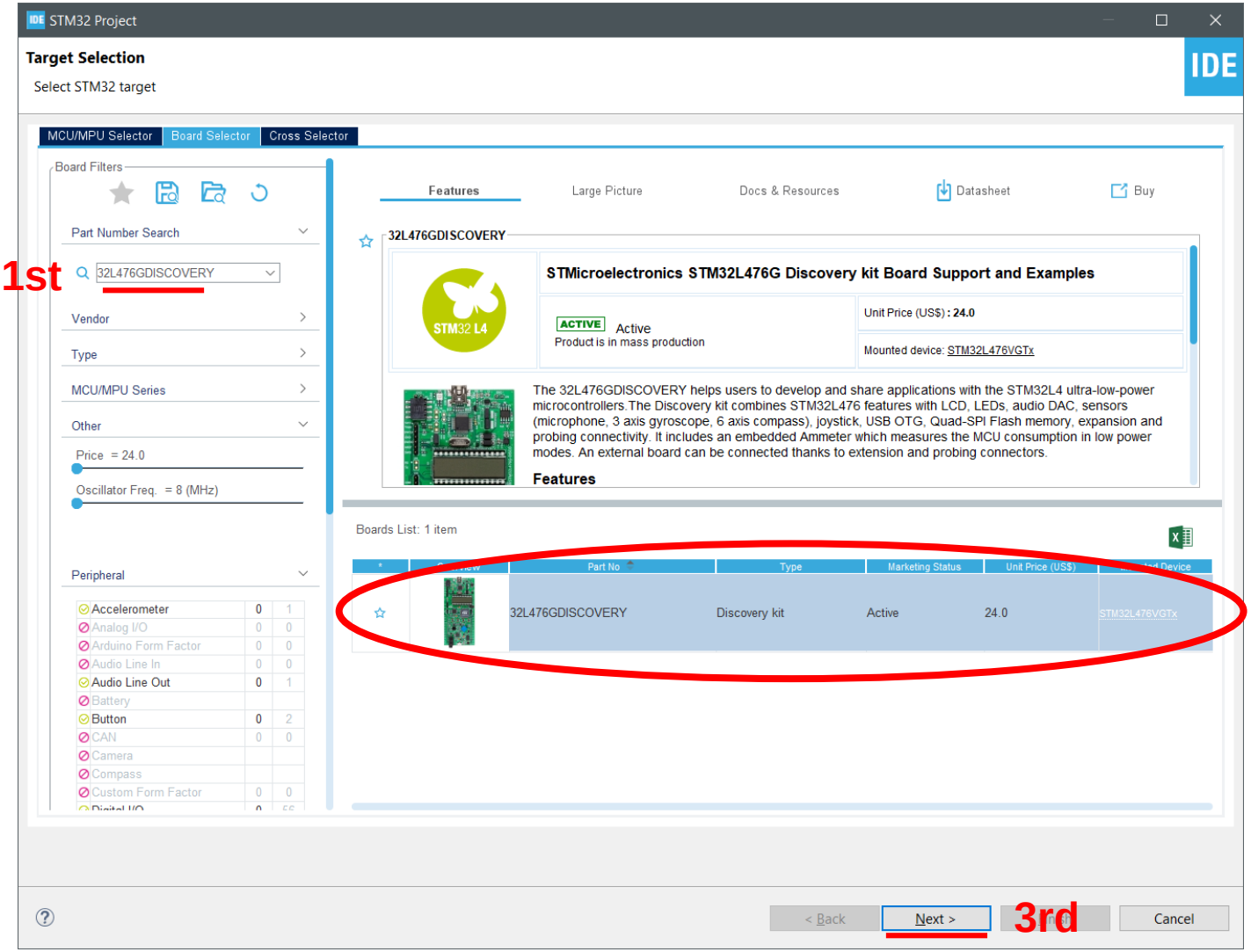
Creating a New **C** Project on **STM32CubeIDE**

- Wait until this screen shows up, and click on **Board Selector**:



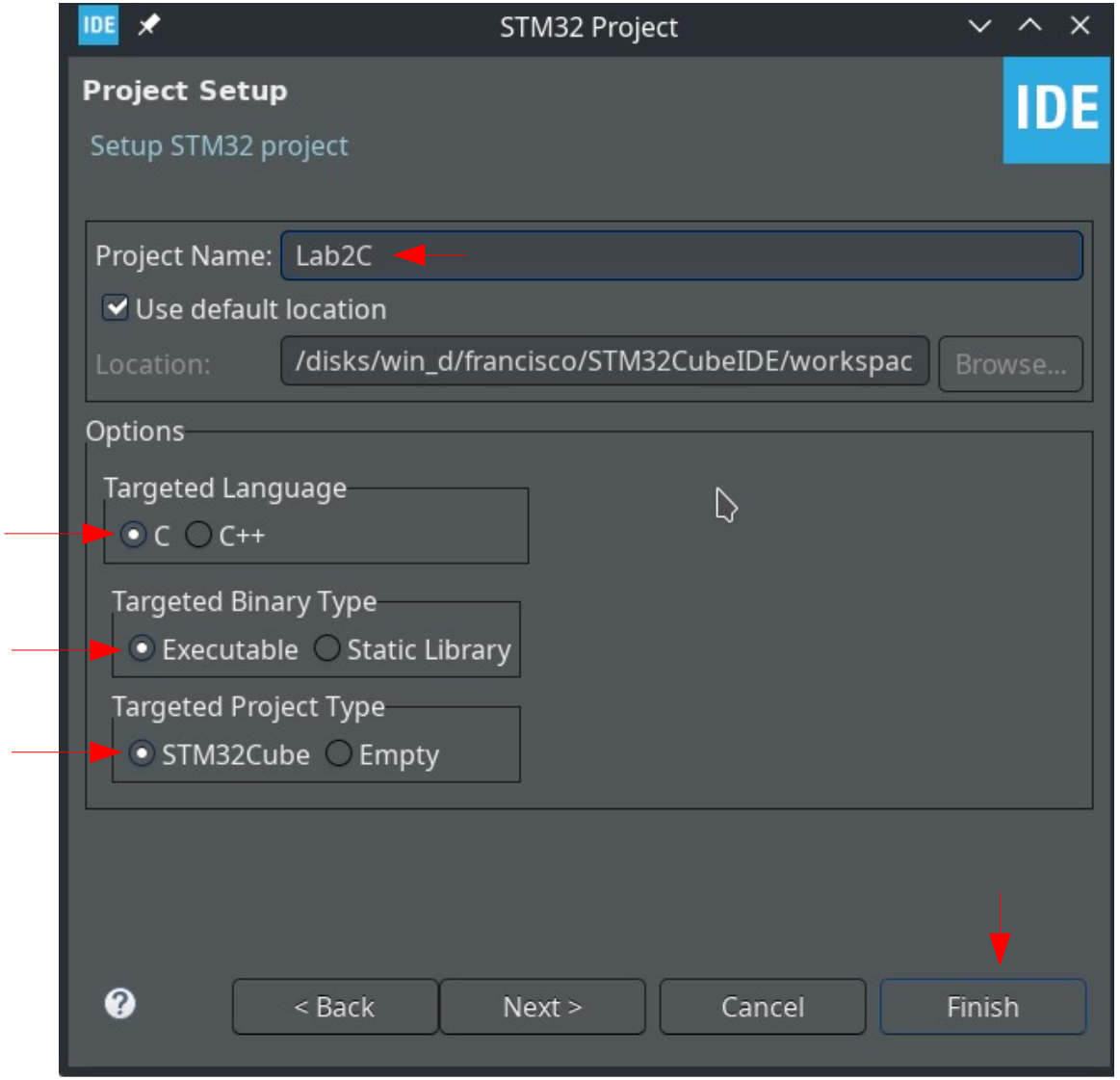
Creating a New Project on **STM32CubeIDE**

- On **Board Selector**, search for **32L476GDISCOVERY**, select the board in the table, and click on **Next**:



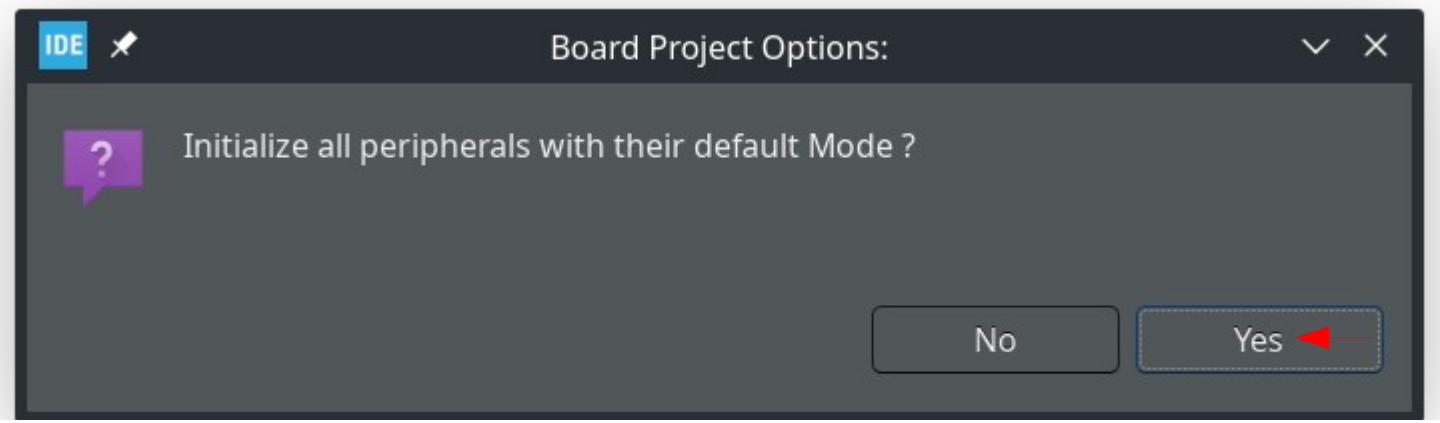
Creating a New **C** Project on **STM32CubeIDE**

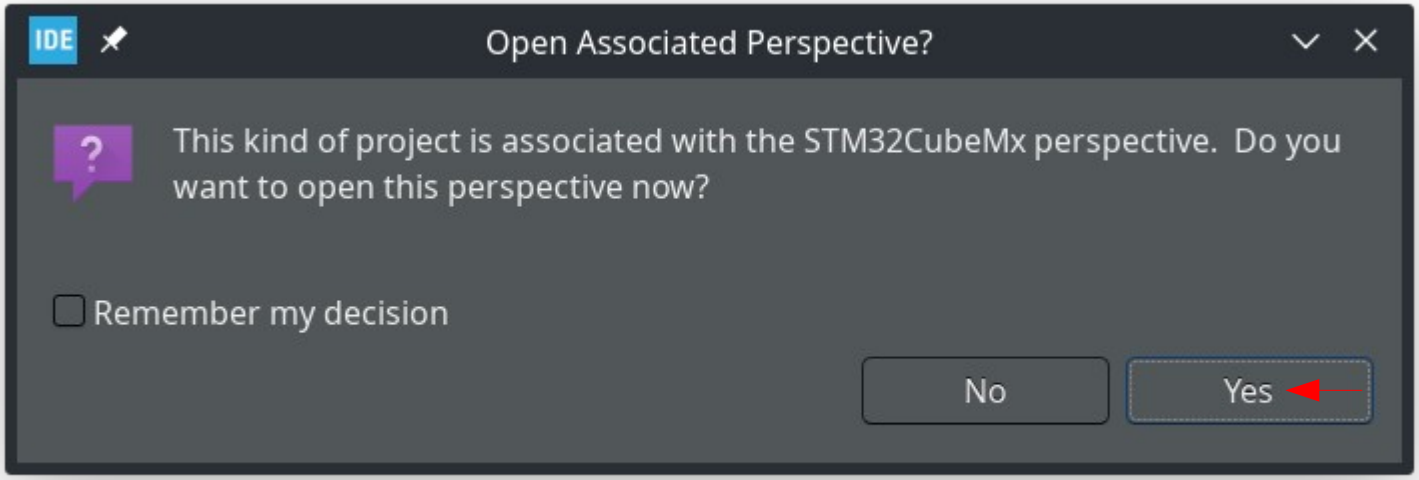
- A new window will show up now, give a name for your project, and select the options indicated in the picture below:



Creating a New Project on **STM32CubeIDE**

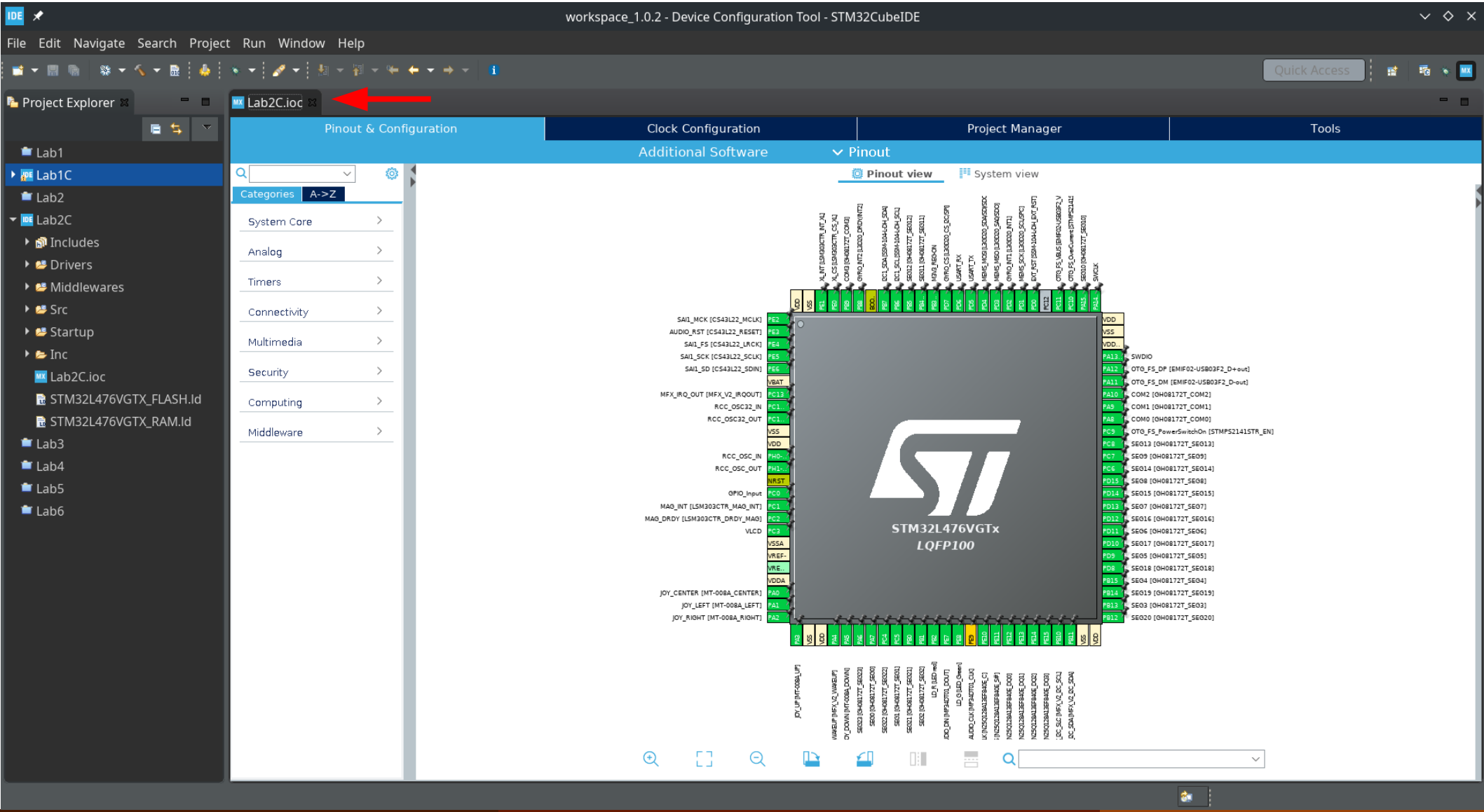
- Answer **yes** to all questions shown below:





Creating a New **C** Project on **STM32CubeIDE**

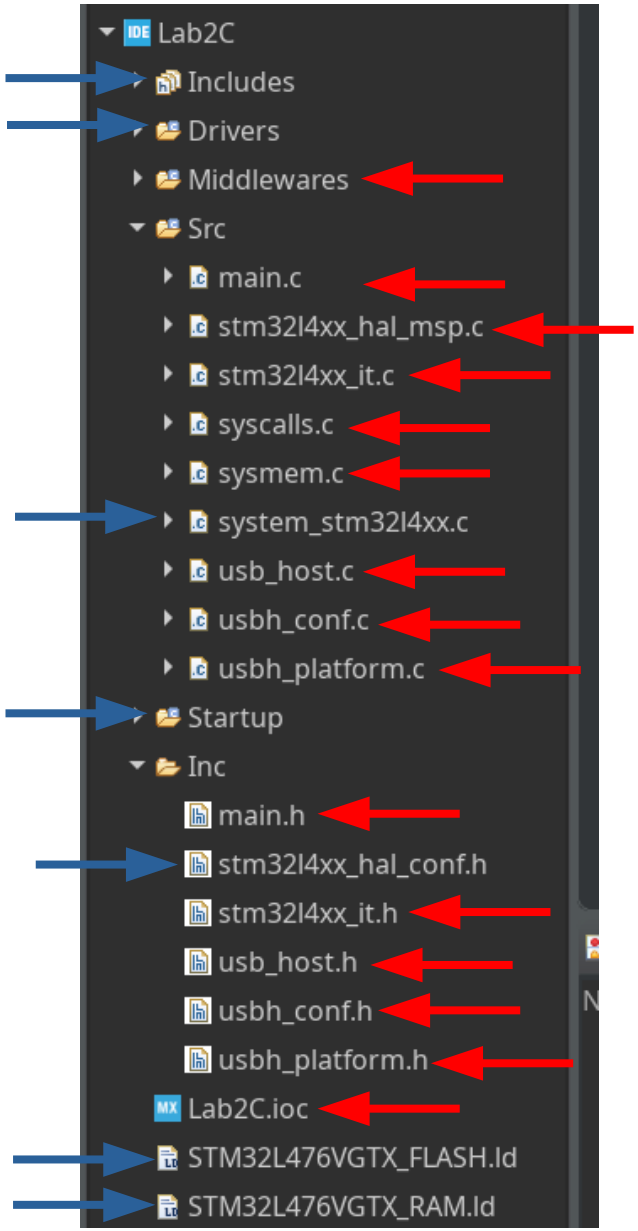
- Close the window that will show up once your project is created.



Creating a New **C** Project on **STM32CubeIDE**

- Delete the files indicated in the picture below:

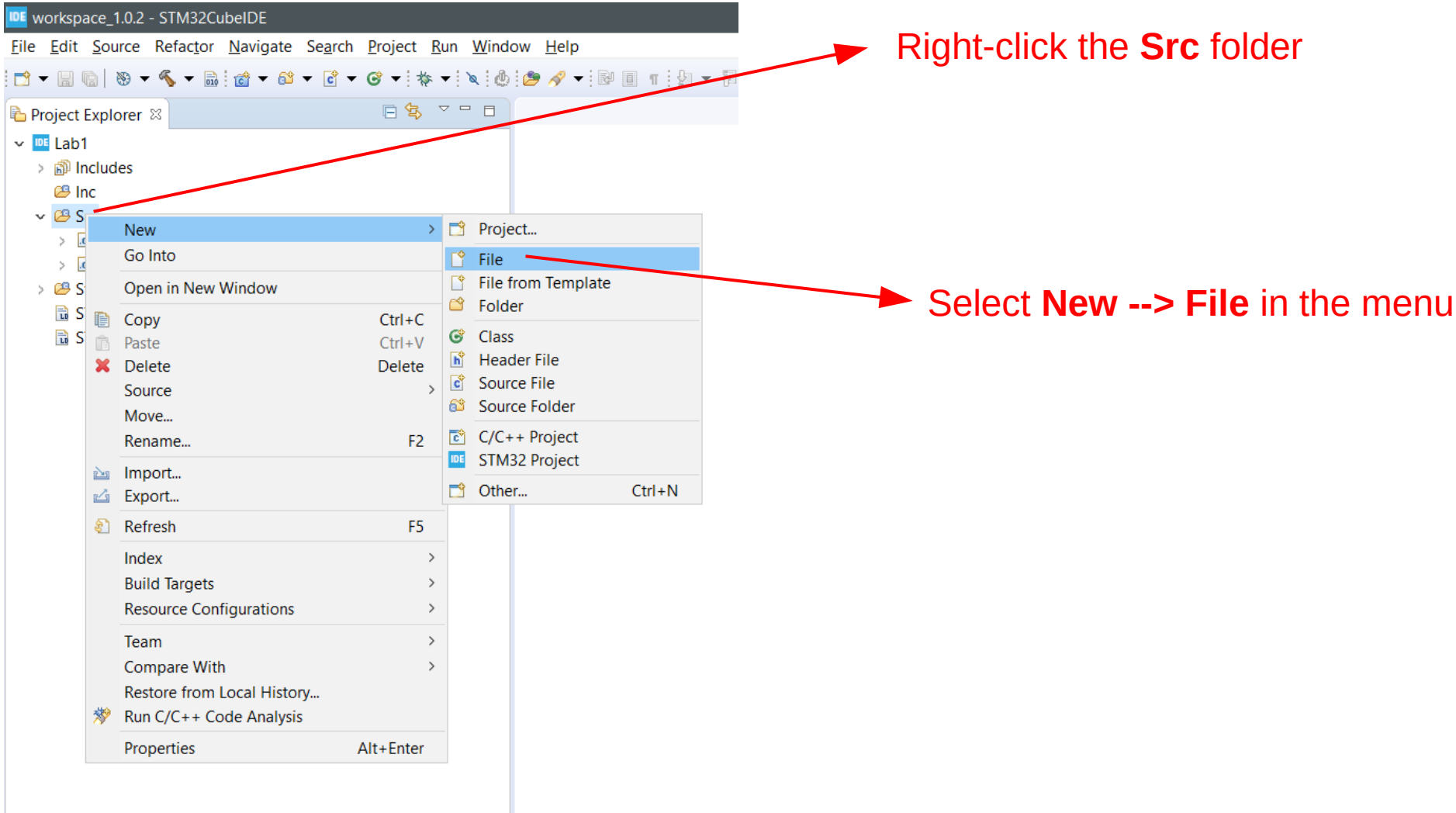
DON'T DELETE the files with a BLUE arrow!



Delete the files with a RED ARROW.

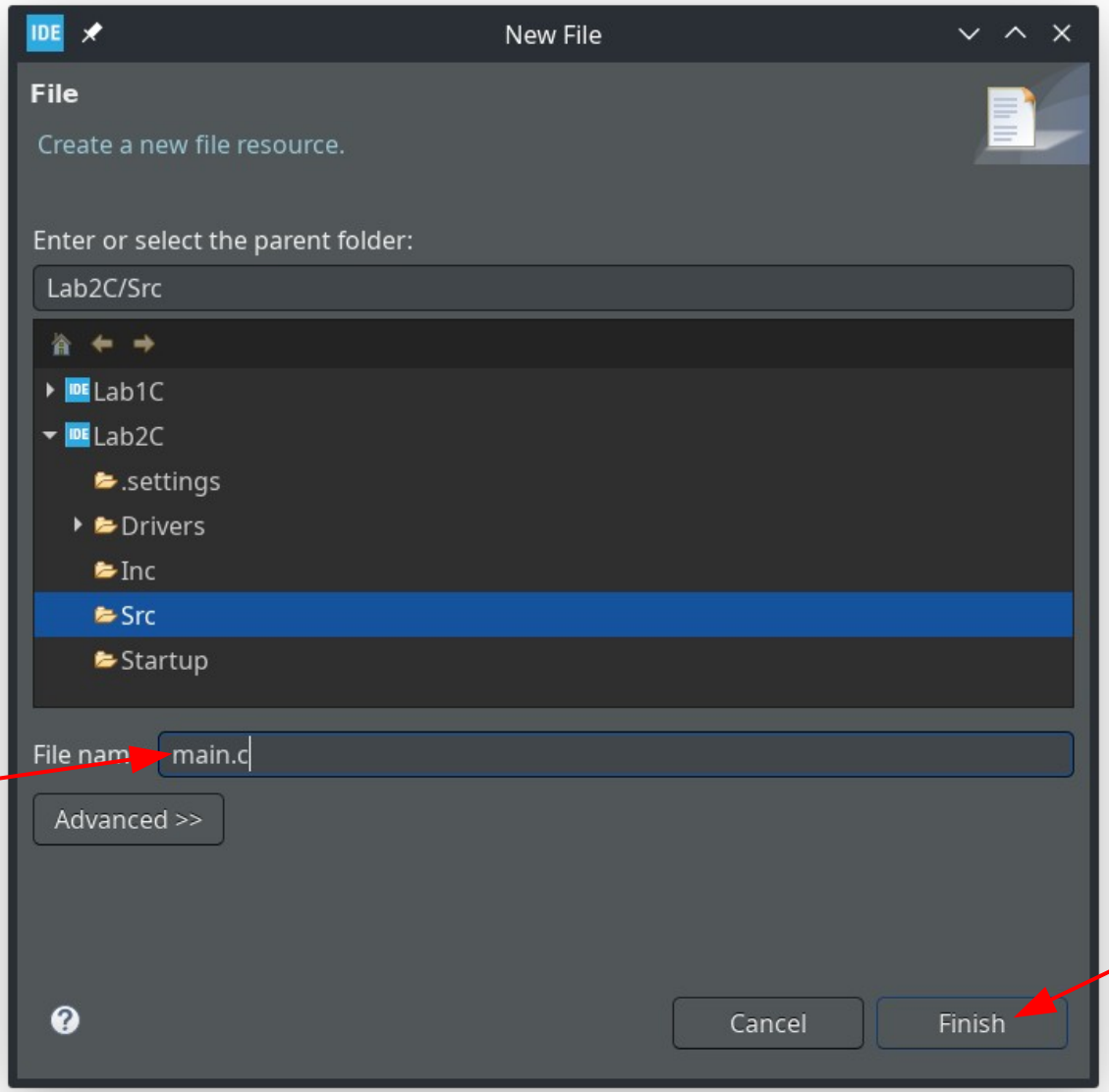
Creating a New **C** Project on **STM32CubeIDE**

- Now, create a new file called **main.c** inside the **Src** folder, which you will put all your C code.



Creating a New **C** Project on **STM32CubeIDE**

- Now, create a new file called **main.c** inside the **Src** folder, which you will put all your assembly code.



Creating a New **C** Project on **STM32CubeIDE**

- The newly created **main.c** file will open up in the IDE, and, now, you can start typing your C code.
- The code will depend on the lab you are working on.
- **To compile and debug your C code, just follow the same steps used for assembly projects.**