

ARM Processors Interfacing

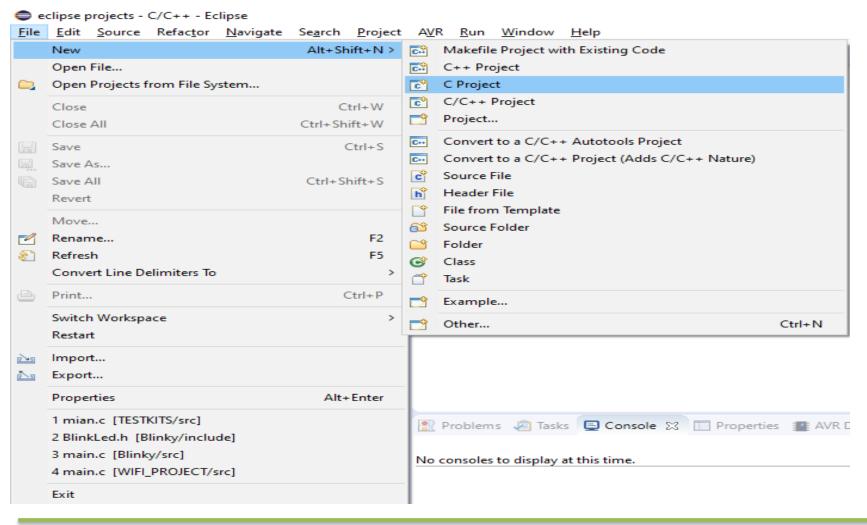
Lecture one

Create New Project

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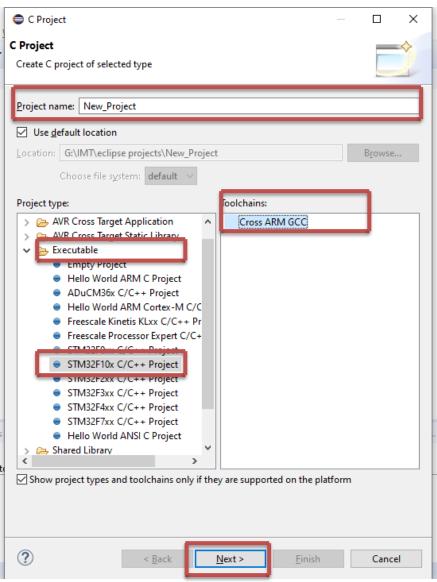


1- Open IMT SDK and then choose File → New → C Project.





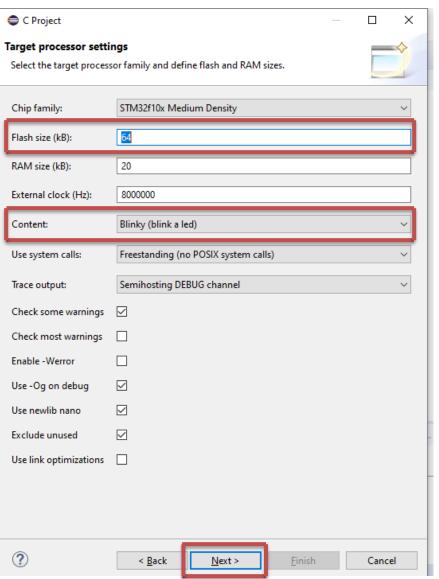
2- From Executable choose STM32F10x C/C++ Project, choose the tool chain Cross ARM GCC and then choose Project name then Press Next.





- **3-** Change Flash Size From 128 to 64kB because our STM is 64kB.
- 4- In the content, you can either choose empty project to write your code from scratch, or to choose Blinky project (blink a led) to run a code example for led blinking.

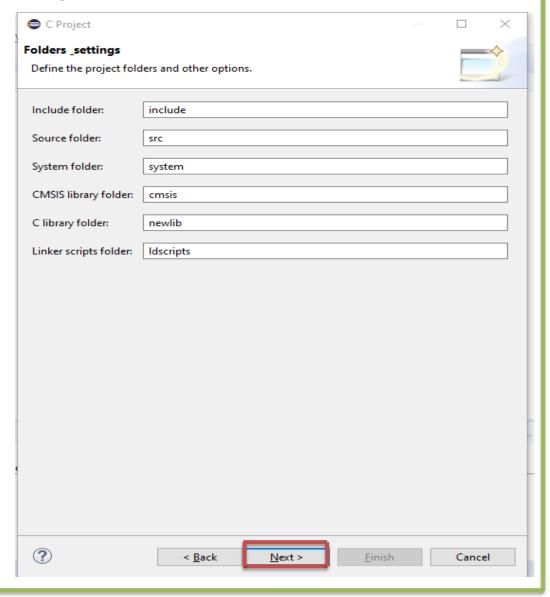
5- Press Next





4- Press Next.

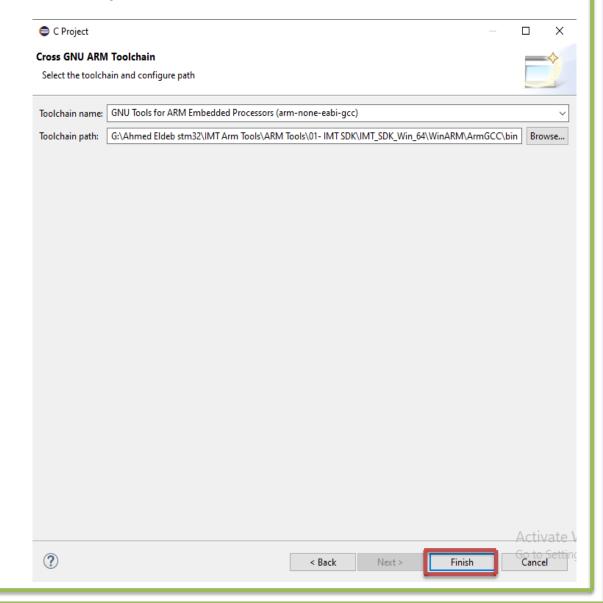
New Project Creation





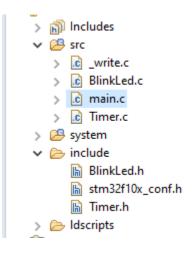
5- Press Finish.

New Project Creation





6- we have two main folders **src** and **Include** the **src** folder has all source files in the project and **include** folder has all header files in the project.





Project Build

8- Now start to build your new project by pressing on build icon in the tool bar.



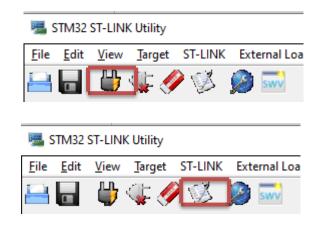


Burn Hex File

9- After project building, open **ST-Link Utility as administrator** and Choose **File** then **Open File** and Go to your **Project Path Directory** then open it and open **Debug** folder then choose the hex file **Project.hex**

10- then Connect to the target .

12- Start to burn your code on the chip.



13- then disconnect from the target.





The End ...







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