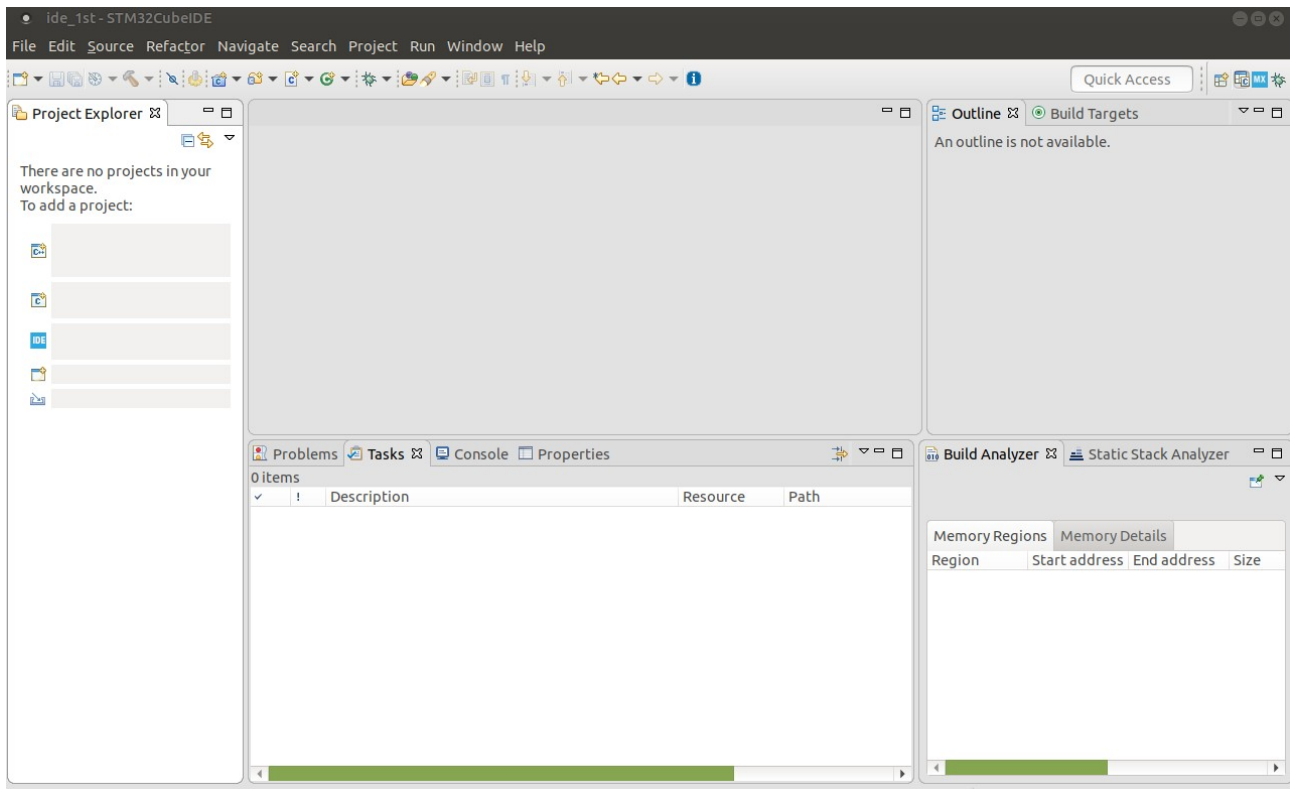
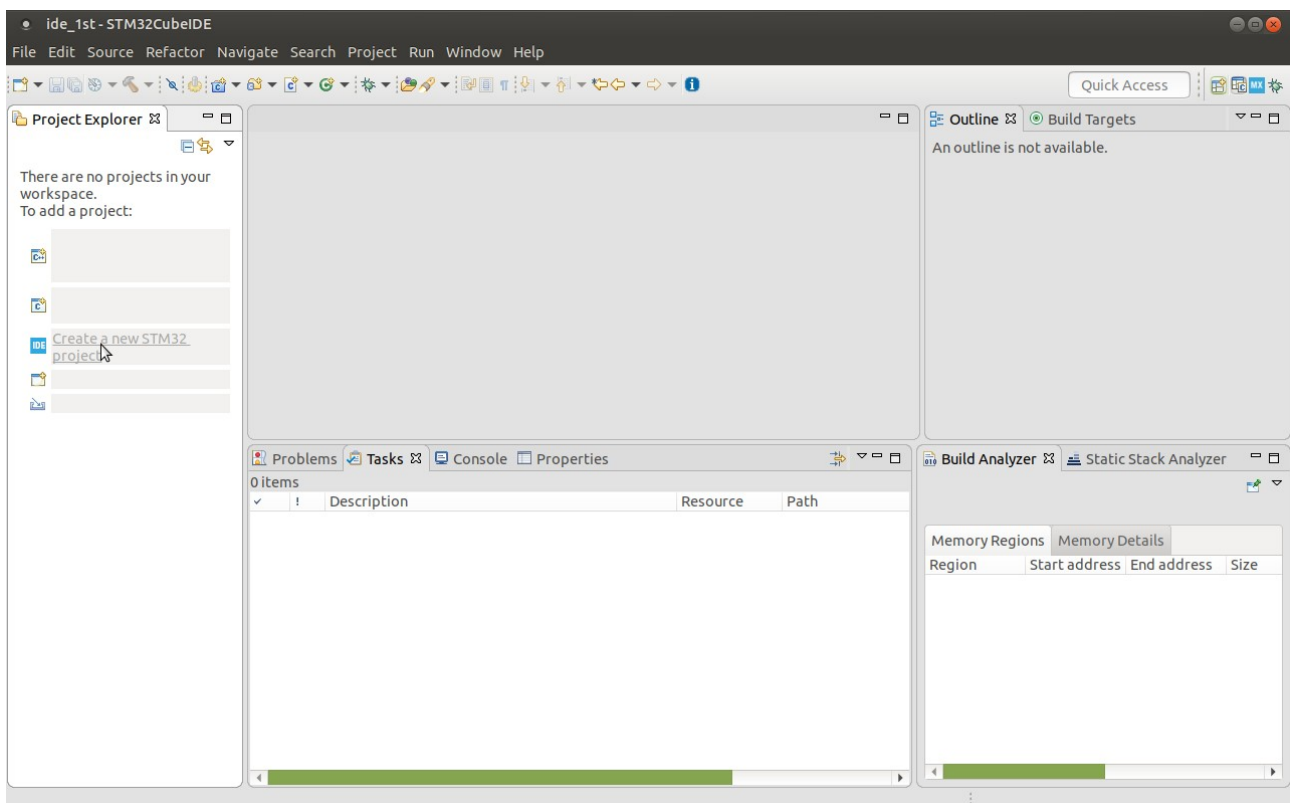


Open STM32CubeIDE



Create New STM32 Project



Select Board (Or Required Component)

STM32 Project

Target Selection
Select STM32 target

MCU/MPU Selector Board Selector Cross Selector

Board Filters

Part Number Search

Vendor

Type

MCU/MPU Series

Other

Price From 0.0 to 560.0

Oscillator Freq. From 0 to 25 (MHz)

Peripheral



Accelerometer 0 2

Analog 0 2

Features Large Picture Docs & Resources Datasheet Buy

New multicore STM32MP1 Series for Industrial and IoT applications

Boards List: 133 items

	Overview	Part No	Type	Marketing Status	Unit Price (US\$)	Mounted Device
☆		32F0308DISCOVERY	Discovery kit	Active	8.9	STM32F0308Tx
☆		32F072BDISCOVERY	Discovery kit	Active	10.4	STM32F072R8Tx

< Back Next > Cancel Finish

STM32 Project

Target Selection
Select STM32 target

MCU/MPU Selector Board Selector Cross Selector

Board Filters

Part Number Search

Vendor

Type

MCU/MPU Series

Other

Price = 15.75

Oscillator Freq. = 8 (MHz)

Peripheral

Accelerometer 0 1

Analog 0 1

Features Large Picture Docs & Resources Datasheet Buy


STM32F3DISCOVERY

The STM32F3DISCOVERY allows users to easily develop applications with the STM32F3 Series based on ARM Cortex-M4 mixed-signal MCU. It includes everything required for beginners and experienced users to get started quickly. Based on the STM32F303VCT6, it includes an ST-LINK/V2 or ST-LINK/V2-B embedded debug tool, accelerometer, gyroscope and e-compass ST MEMS, USB connection, LEDs and push-buttons. The STM32F3DISCOVERY discovery board does not support the STM32F313xx MCUs (1.65 V to 1.95 V power supply).

Features

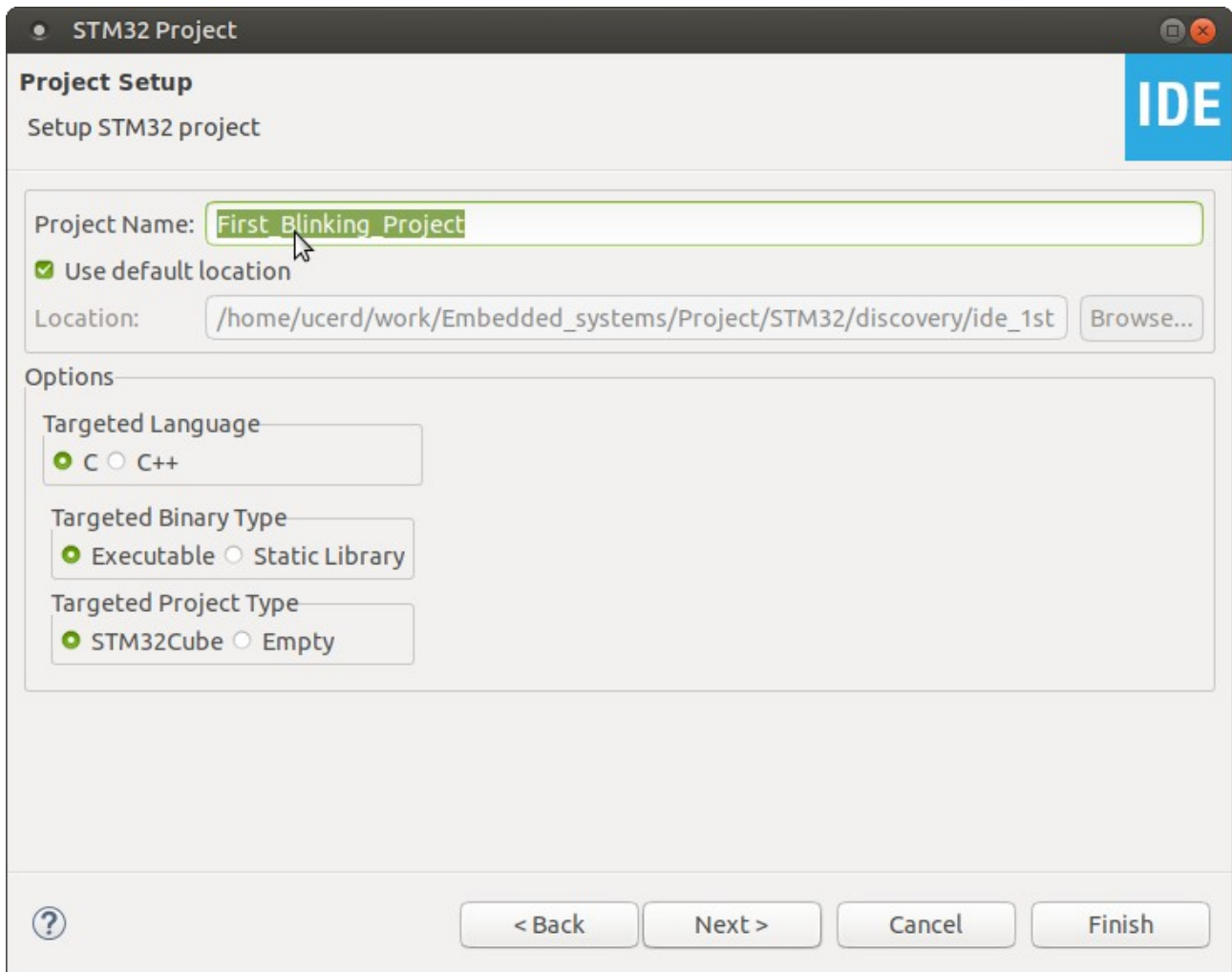
- On-board ST-LINK/V2
- Supply through ST-Link USB

Boards List: 1 item

	Overview	Part No	Type	Marketing Status	Unit Price (US\$)	Mounted Device
☆		STM32F3DISCOVERY	Discovery kit	Active	15.75	STM32F303VCTx

< Back Next > Cancel Finish

Give Project name and select type of programming language....



The image shows a 'Project Setup' dialog box for an STM32 project. The title bar reads 'STM32 Project'. The main heading is 'Project Setup' with the subtitle 'Setup STM32 project'. In the top right corner, there is a blue 'IDE' logo. The 'Project Name' field contains the text 'First Blinking Project'. Below this, the 'Use default location' checkbox is checked. The 'Location' field shows the path '/home/ucerd/work/Embedded_systems/Project/STM32/discovery/ide_1st', with a 'Browse...' button to its right. The 'Options' section contains three groups of radio buttons: 'Targeted Language' with 'C' selected and 'C++' unselected; 'Targeted Binary Type' with 'Executable' selected and 'Static Library' unselected; and 'Targeted Project Type' with 'STM32Cube' selected and 'Empty' unselected. At the bottom, there is a help icon (question mark in a circle) on the left and four buttons: '< Back', 'Next >', 'Cancel', and 'Finish'.

STM32 Project

Project Setup
Setup STM32 project

IDE

Project Name:

☒ Use default location

Location:

Options

Targeted Language
☒ C ☐ C++

Targeted Binary Type
☒ Executable ☐ Static Library

Targeted Project Type
☒ STM32Cube ☐ Empty

STM32 Project

IDE

Firmware Library Package Setup
Setup STM32 target's firmware

Target and Firmware Package

Target Reference: STM32F3DISCOVERY

Firmware Package Name and Version: STM32Cube FW_F3 V1.10.0

Firmware package Repository

Location:
/home/ucerd/STM32Cube/Repository

See for settings related to firmware package installation

Code Generator Options

☐ Add necessary library files as reference in the toolchain project configuration file

☐ Copy all used libraries into the project folder

☒ Copy only the necessary library files

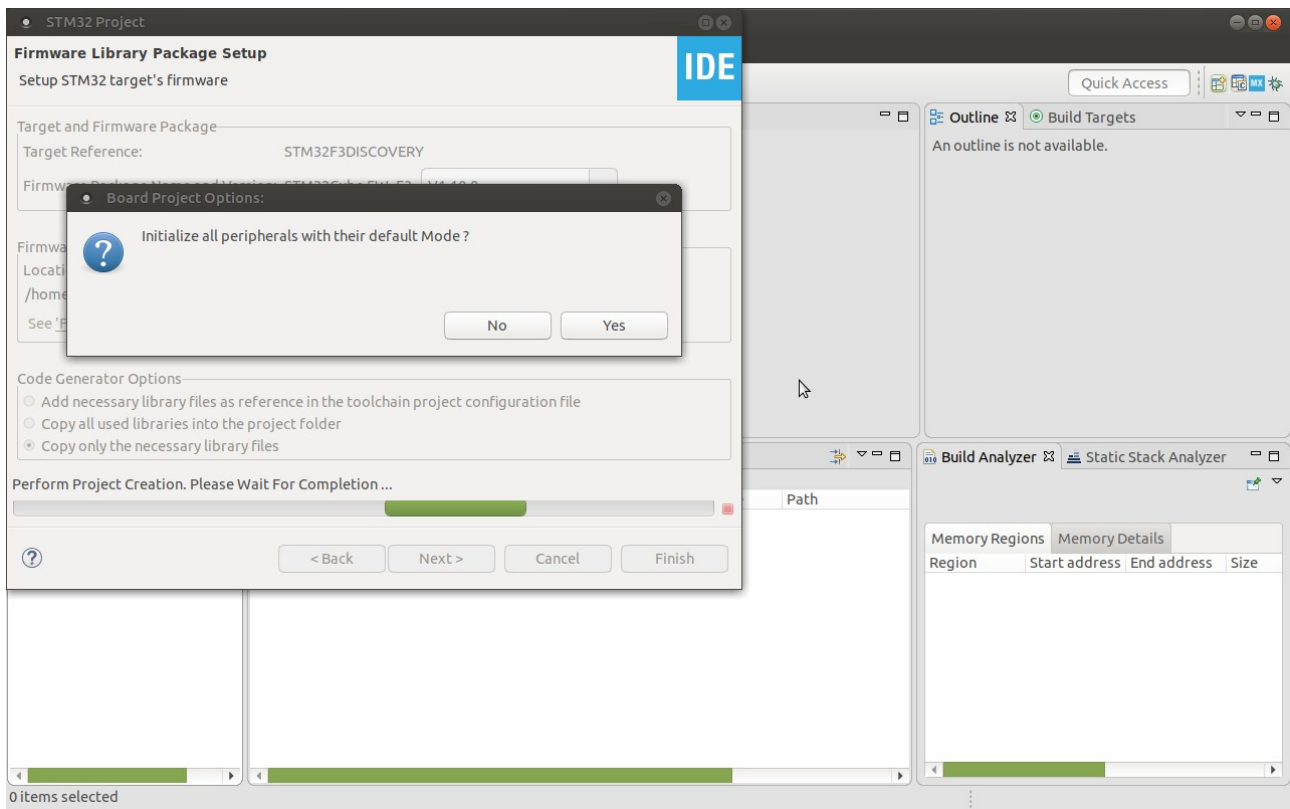
?

< Back

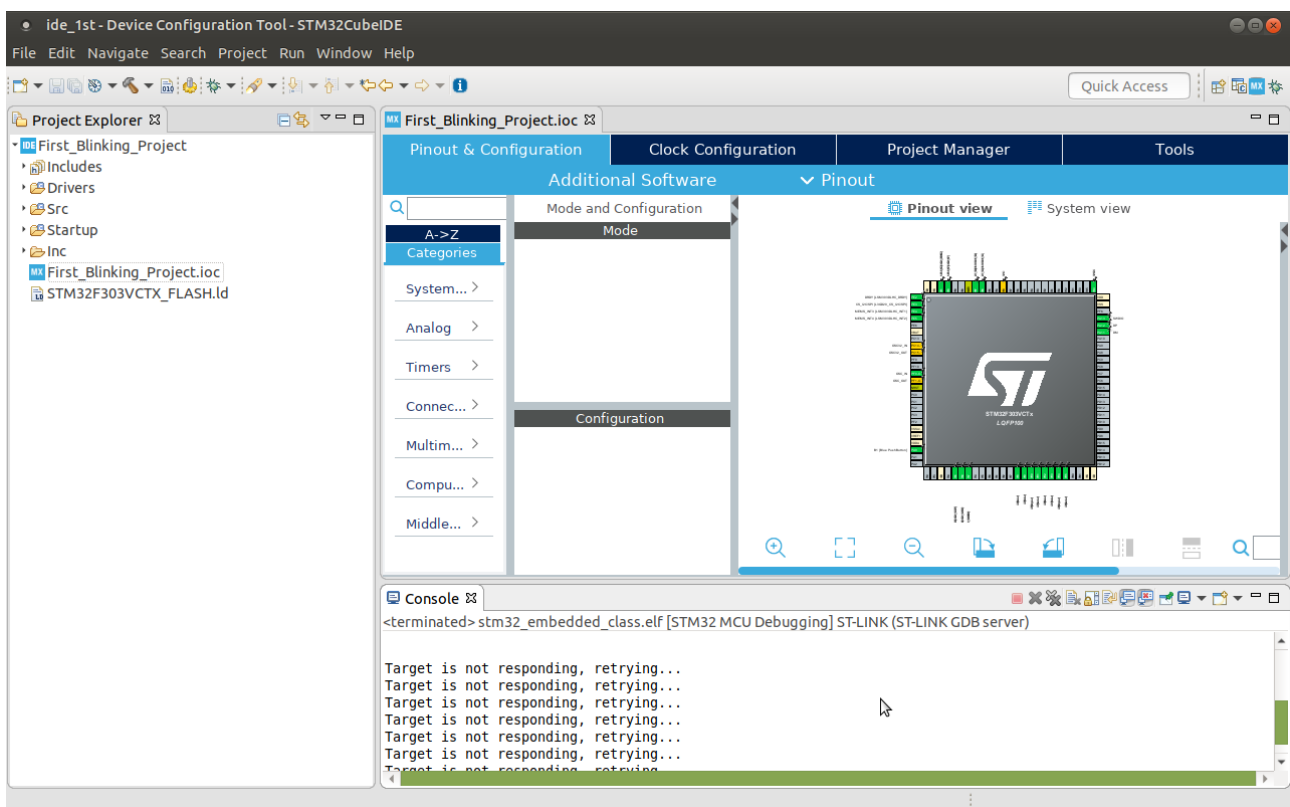
Next >

Cancel

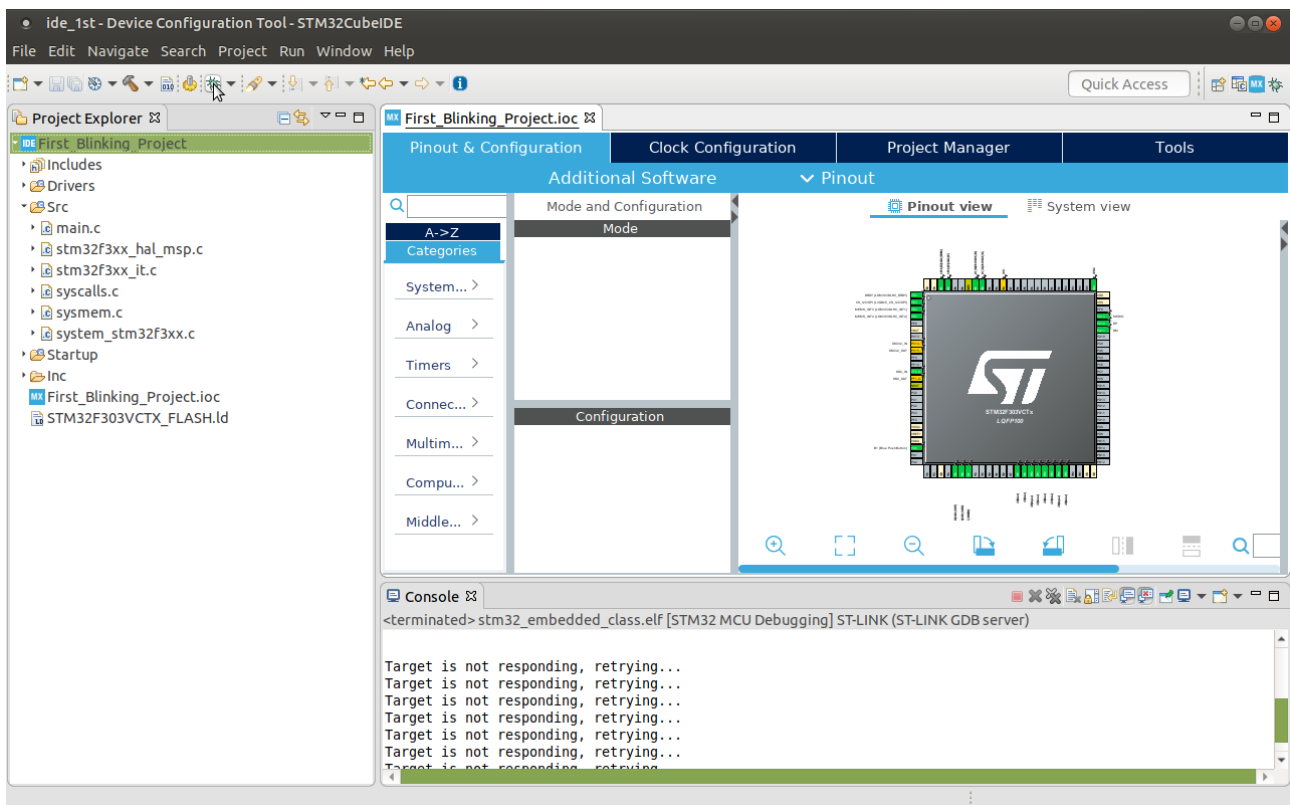
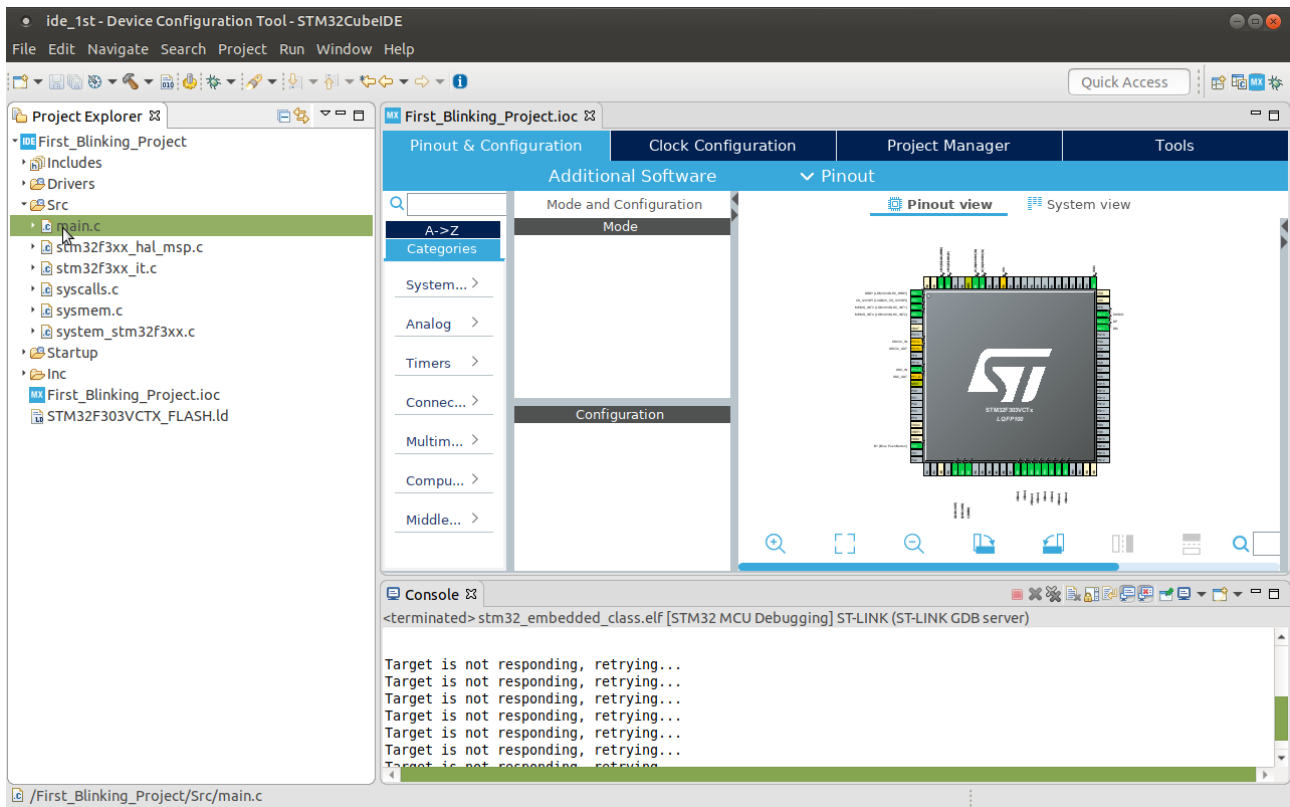
Finish



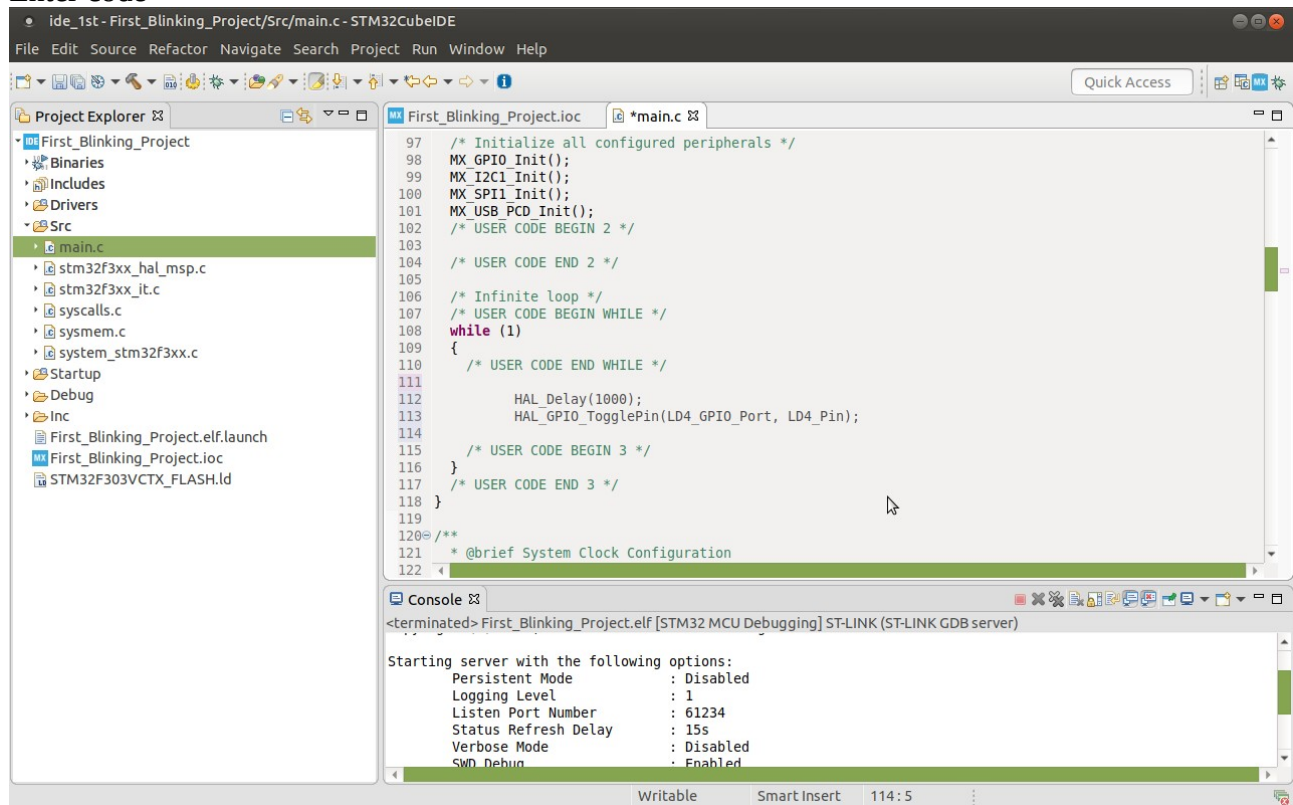
Select pins and ports if you want to implement special functions/calls



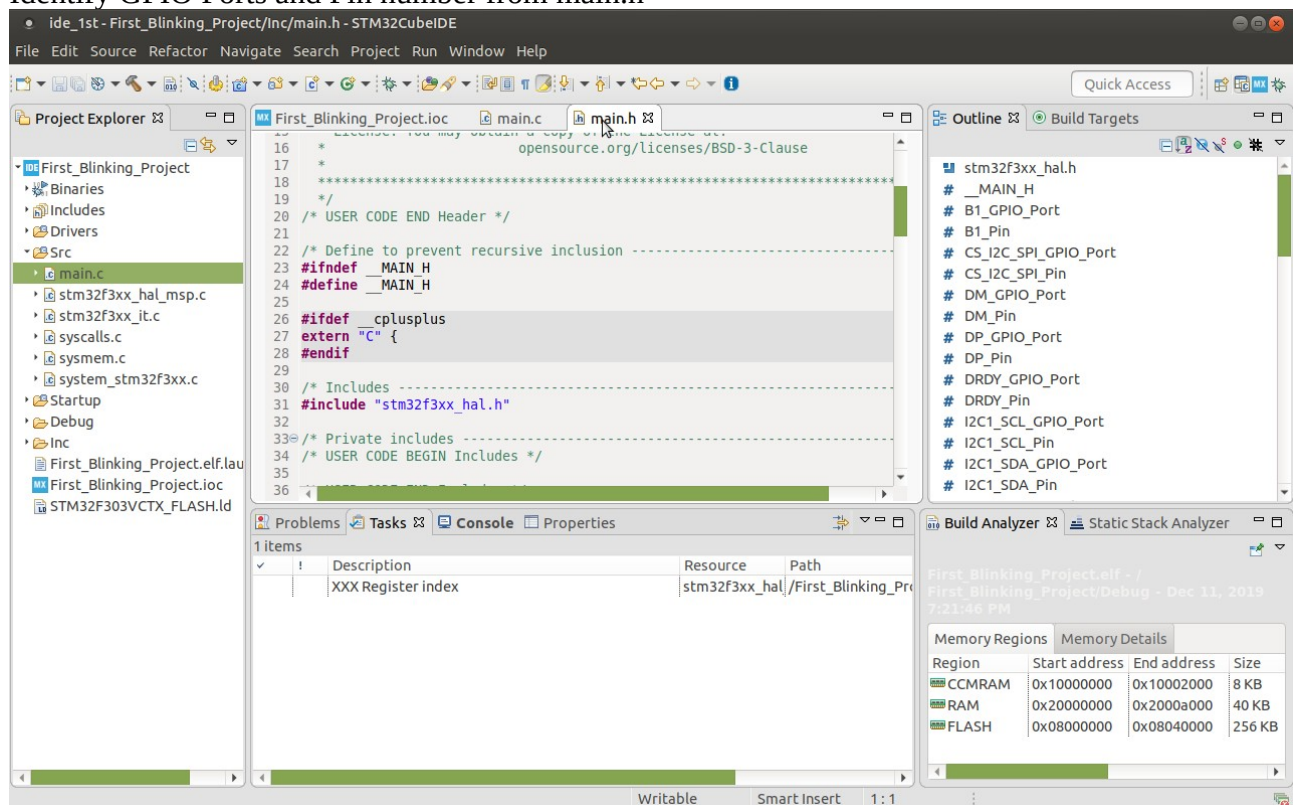
Add hardware abstraction layer (HAL) routines in main



Enter code



Identify GPIO Ports and Pin number from main.h



Debug the program....

