TALLINNA
TEHNIKAÜLIKOOL

How to create a MPLABX project for Basys MX3

Hardi Selg

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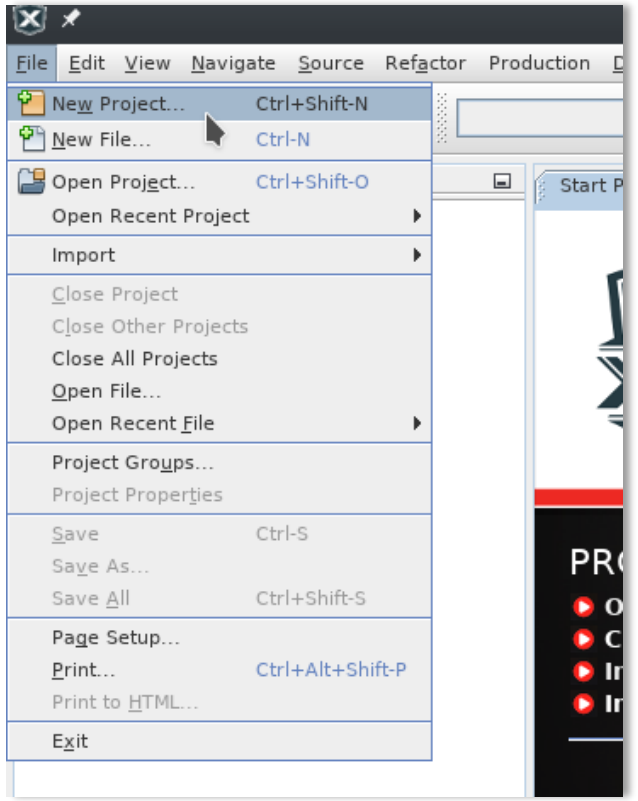
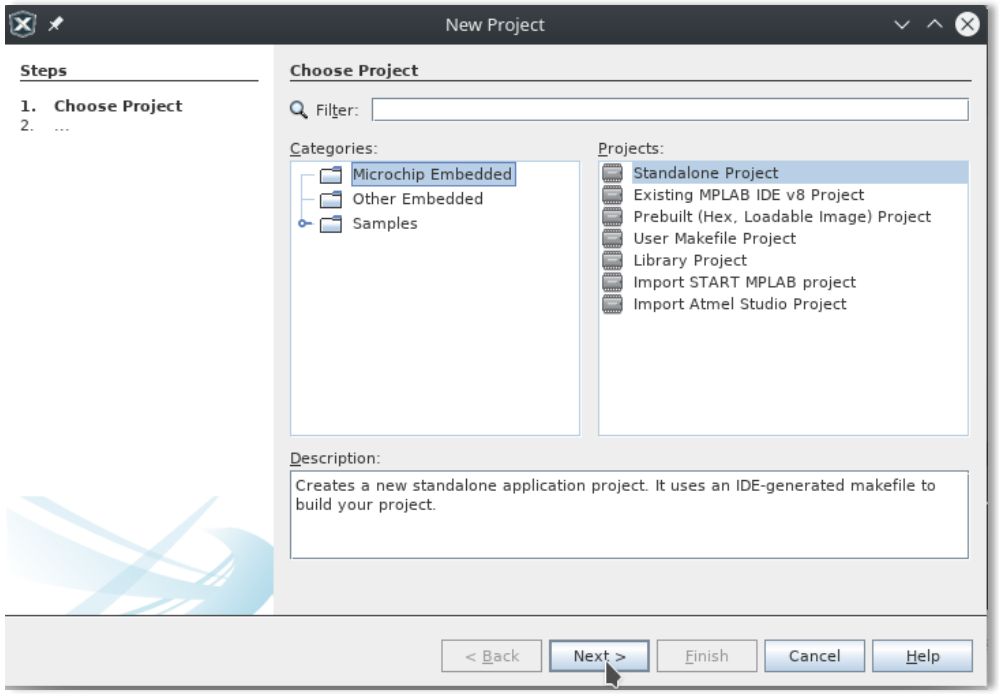
1. Open MPLAB X from the program menu

2. Create a new project

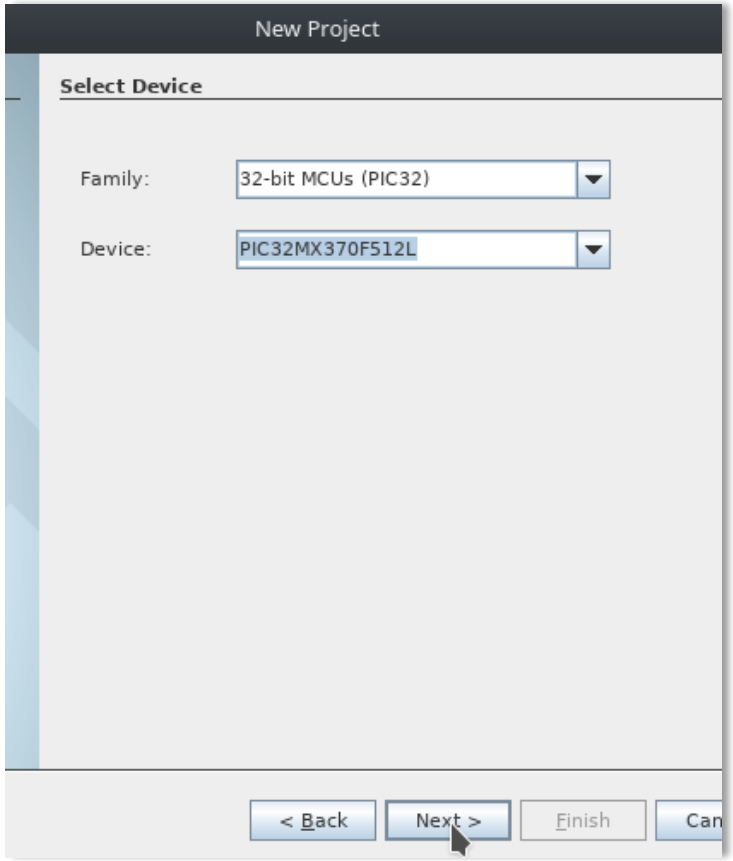


3. Select ‘Standalone Project’

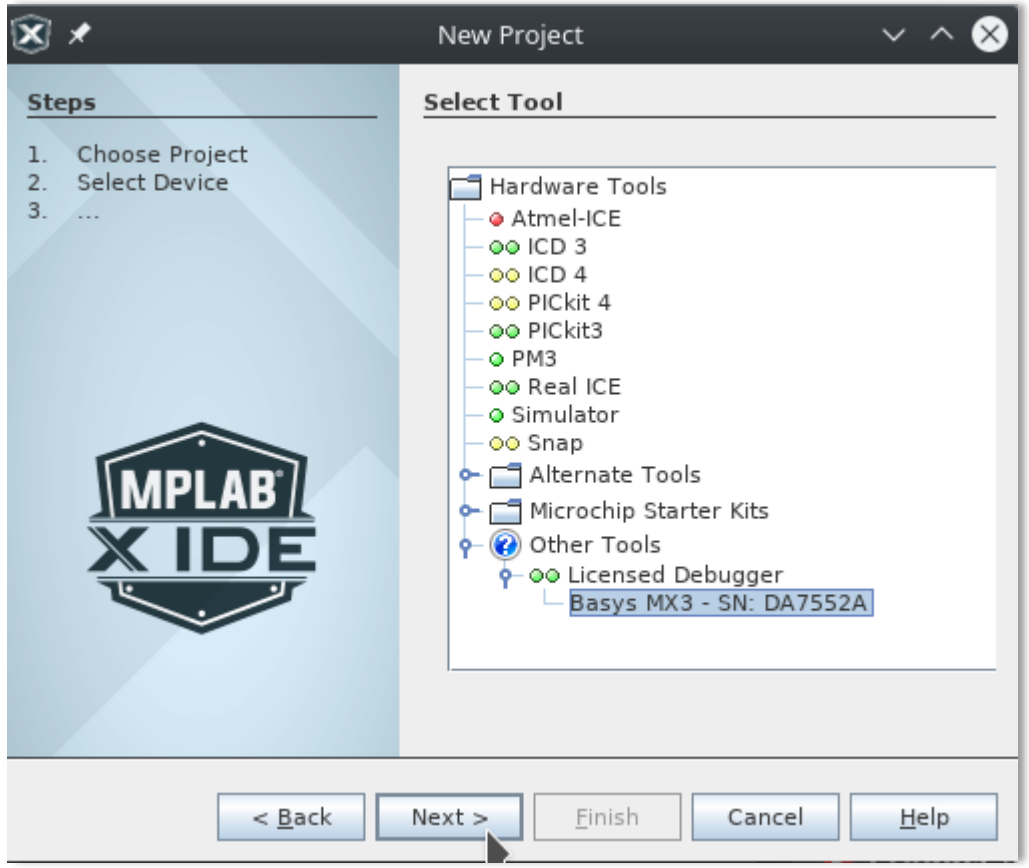


4. Select device:

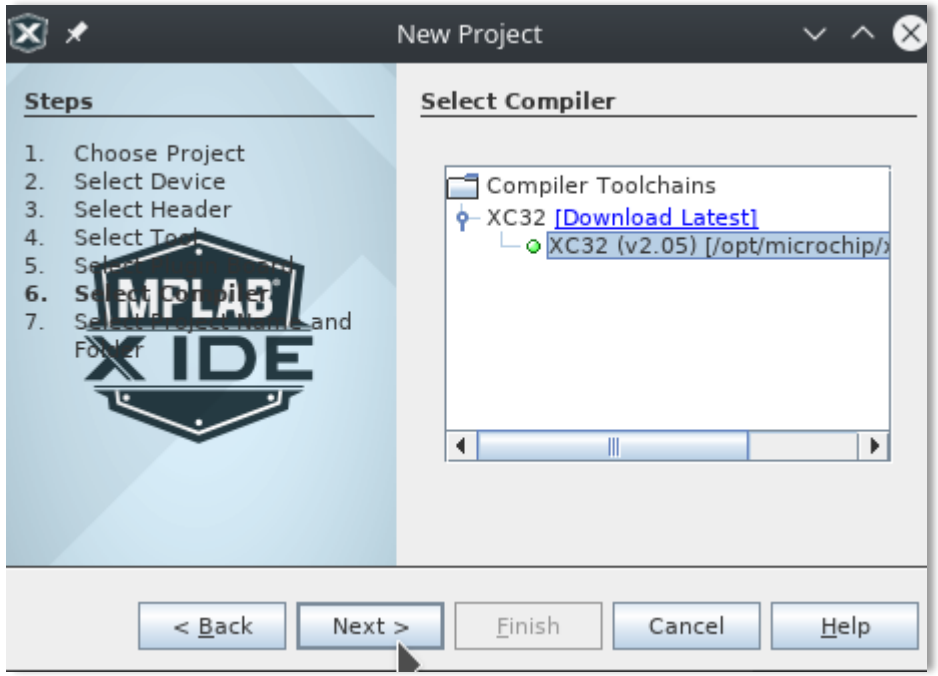
PIC32MX370F512L



5. Select **Basys MX3**
   OR if not available
   Select ‘Licenced Debugger’

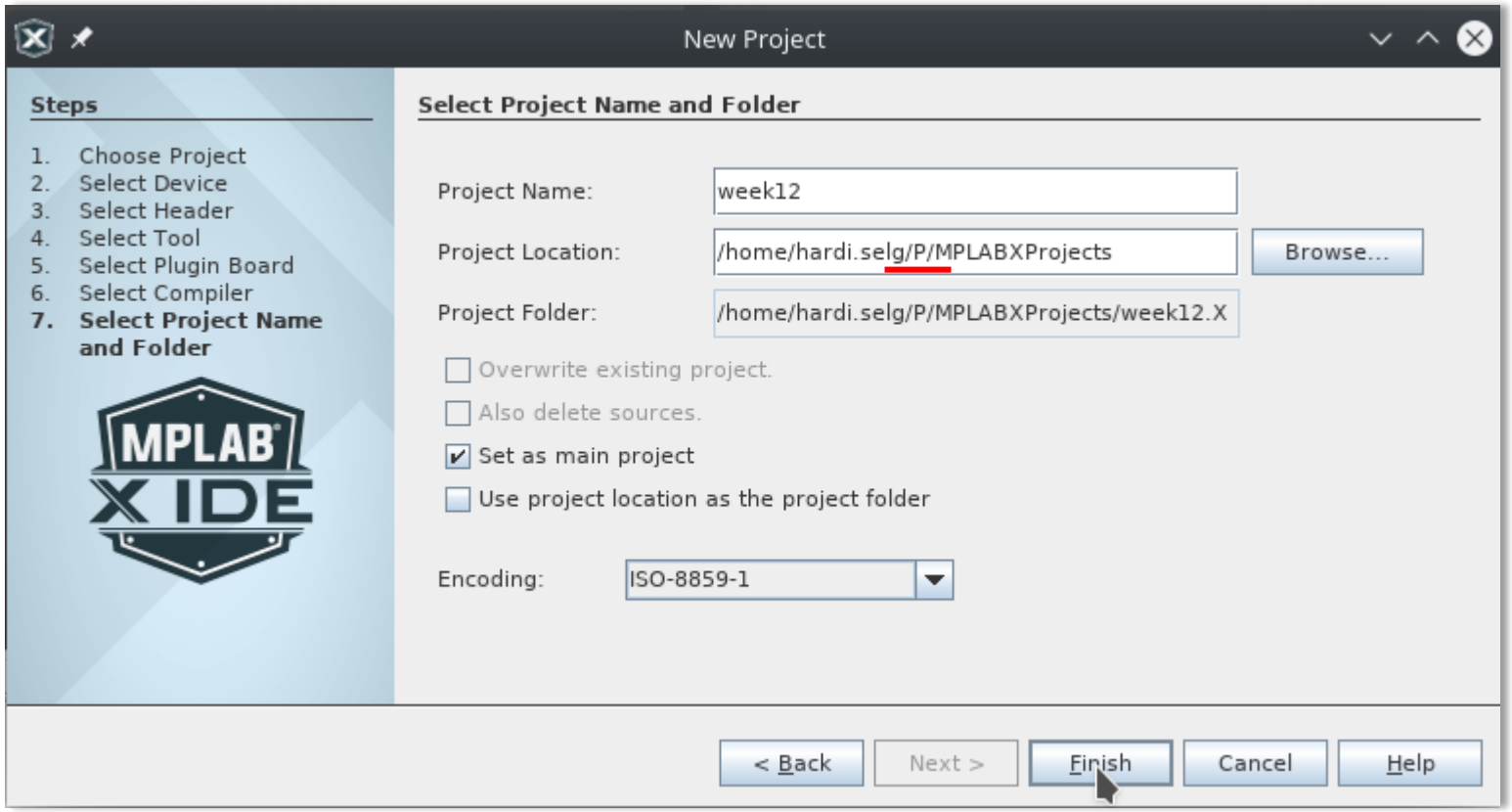


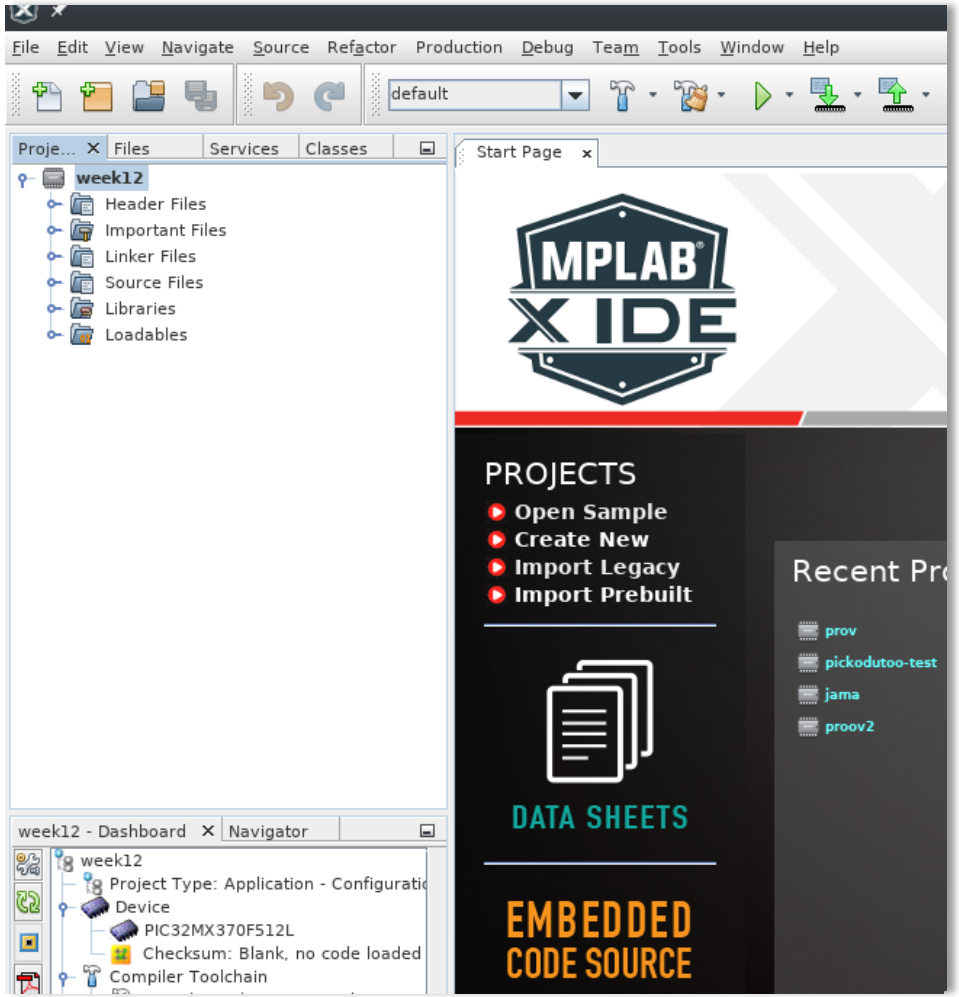
6. Select the compiler **XC32**



7. Change the project location to your „**P**“ folder

8. Give the project a **name**





- After pushing „Finish“ a project should appear to the left side of the main window
- Now the next step is to download default files for the project
- They can be found on this link:

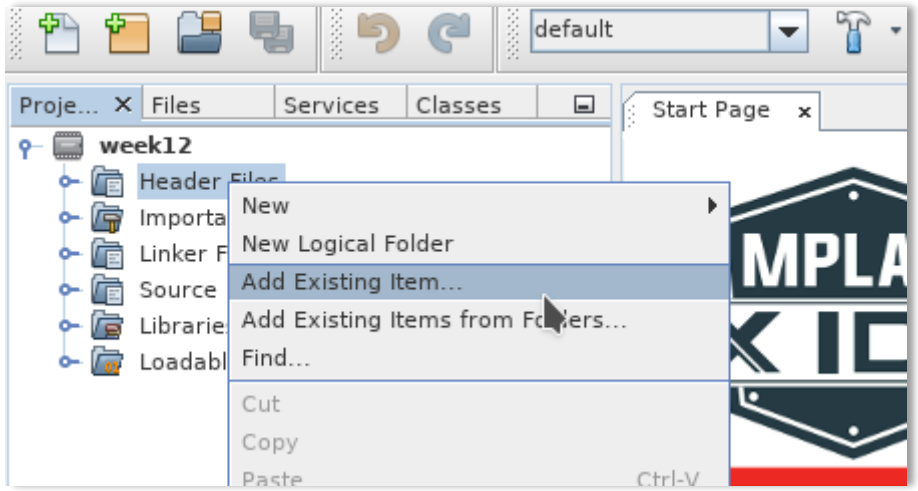
http://ati.ttu.ee/~hartz/basys-mx3/ENG/ProgI/

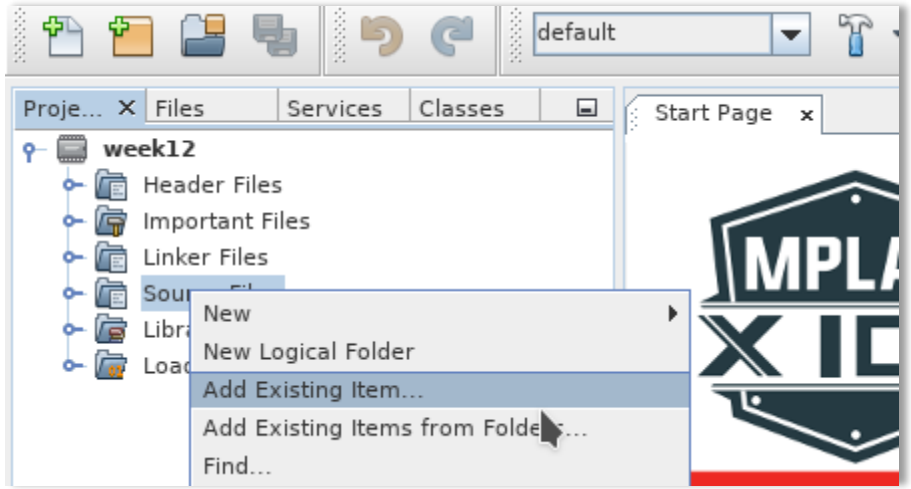
Downloading default files

(http://ati.ttu.ee/~hartz/basys-mx3/ENG/ProgI/)

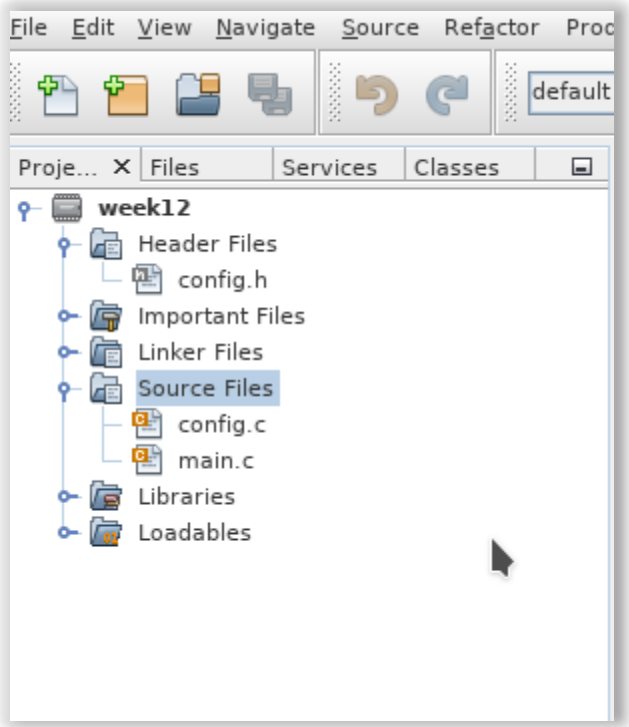
- Save them to your previously defined project location

Adding files to project

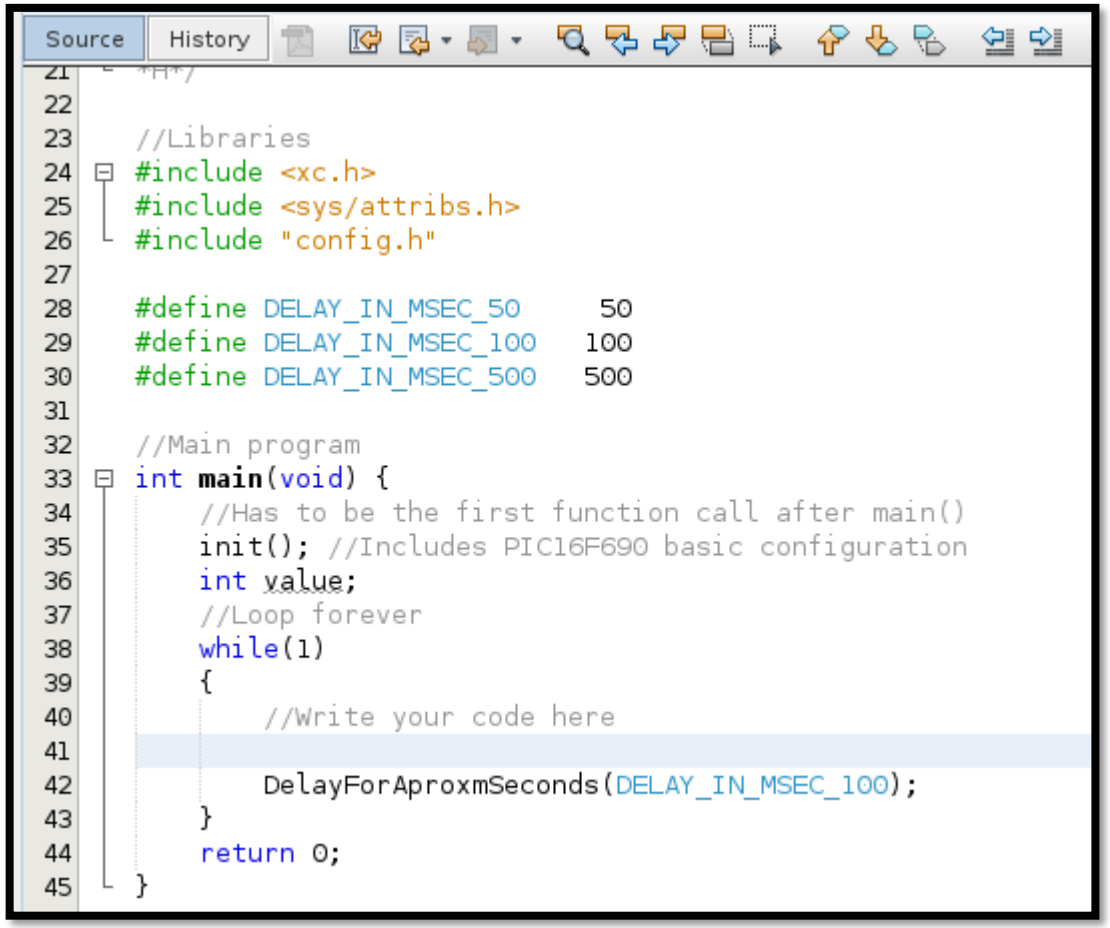




- To add files make a right click on the Header/Source Files name and select „Add Existing Item“
- From there you should see your downloaded files and add them accordingly



Now you can start writing your code!



- All your code goes to the while(1) loop in main file.
- Variables, of course, should be in the beginning of the main function

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