

## Key for CCS Tutorial 1

<https://vimeo.com/387605266>

Create New Project 18:00

Select “Empty Assembly-only Project” 18:45

Compiler Version 19:19

Select your Microcontroller 20:12

About downgrading the Compiler 21:12

Note: Downgrading and Upgrading your Compiler is covered more at 34:01 in the next screencast

Default Assembly Template 20:53

Data and Text Regions 23:32

You assembly code for your main program goes here 25:52

Demo of simple program named Test1 25:58

.data region explained 26:26

.text region explained 27:04

Accessing properties of your project 27:51

Switching Compilers for your project 28:56

For latest version of Compiler, set Output Format to eabi(ELF) 29:24

Build (compile) your Program 30:00

Entering the Debugger 33:13

Running your program using the green arrow resume button 34:05

Suspending or pausing your program 34:05

Suspending a running program 34:48

Peeking into the PC (Program Counter) or other Core registers 35:07

Stopping (terminating) a program and exiting the debugger 45:49

Edit and Debug views 36:03

Using the Memory Browser 37:01

Going to a specific memory in the memory browser 37:01

Going to .text (FRAM, ROM) or .data (RAM) in the memory browser 37:01

Going to .text or .data in the memory browser using the new compiler 37:01

Viewing data in different ways in the memory browser 38:45

Every Assembly program should have an infinite loop 41:20

Can't look in Core Registers or Memory Browser while the program is running 44:42

Single Stepping a Program 45:37

Rerunning a program (Software Reset) 46:22

Single Stepping Continued 47:01

Viewing data in Core Registers (Number Formats) 48:48