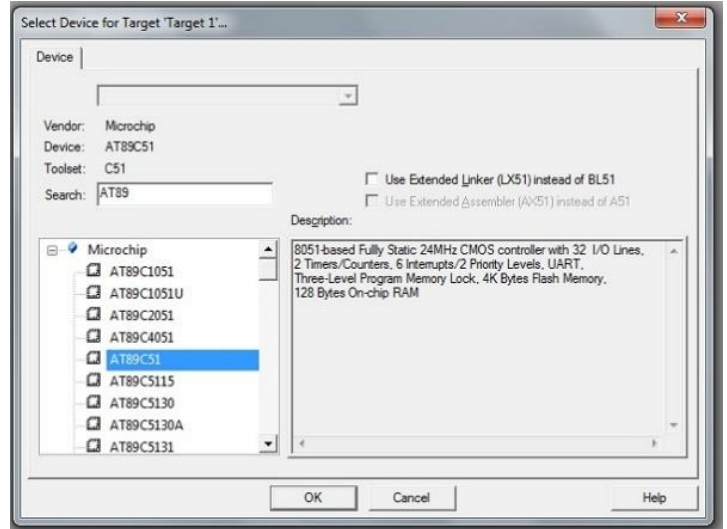


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Steps to write programs for 8051 Microcontroller using keil

Step 1. Start the Keil software. Go to the Project > New Project then choose a location to store your program, and give a name and Save.

Step 2. Now in the next window select the device from different manufacturers. We are selecting Microchip, and then by expanding we are selecting AT89C51 device and click ok

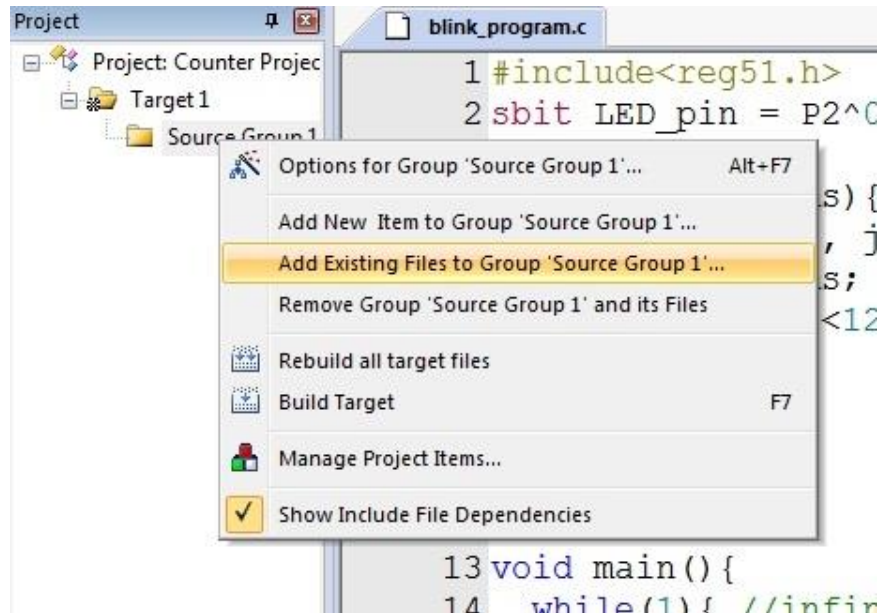


Step 3. Now go to the New in the menu and select New. It will open a new editor to write code.

Step 4. Go to the save option and save the program file with .asm or .A51 extension for assembly language and .c for c language..

Step 5. Write the code for 8051 Microcontroller.

Step 6. Now from the left panel, select Source Group 1, and Add Existing Files to Group 'Source Group 1'. Then select the program (c file for .c and .asm/.a51 for assembly) then add and close



Step 7. Now go to the Project > Build Target to build the project. If there is some error the building will be failed, after correcting the errors it can be build.

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Step 8. Now click on the Target1 from the left panel and select Options for Target 'Target1'. Then set the xtal (MHz) value to 11.0592. Then go to the output tab. In this tab check Create Hex File, and click OK. Then build it again. Then the hex file will be created in the project folder which we saved in step 1.

By uploading this hex file into the 8051 microcontroller the program can be loaded into it. And it will work.