Short description for uploading code to a microcontroller.

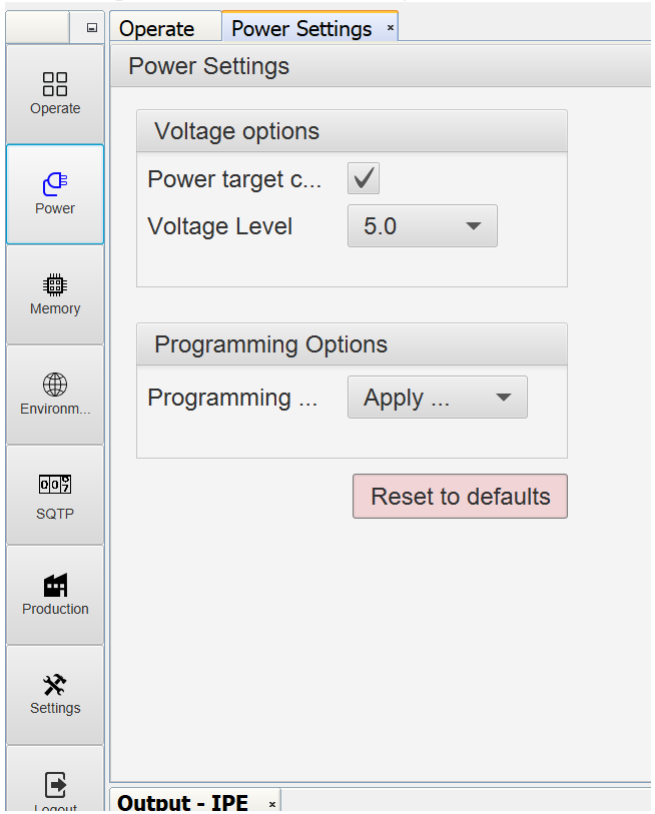
There are several ways to do this, I will describe one of them.

What you need in terms of hardware is a PICKIT from Microchip and an IC socket that you set to the type of microcontroller you want to program. In the photo an IC with 40 pins. You connect the PICKIT to your PC as shown in the picture.

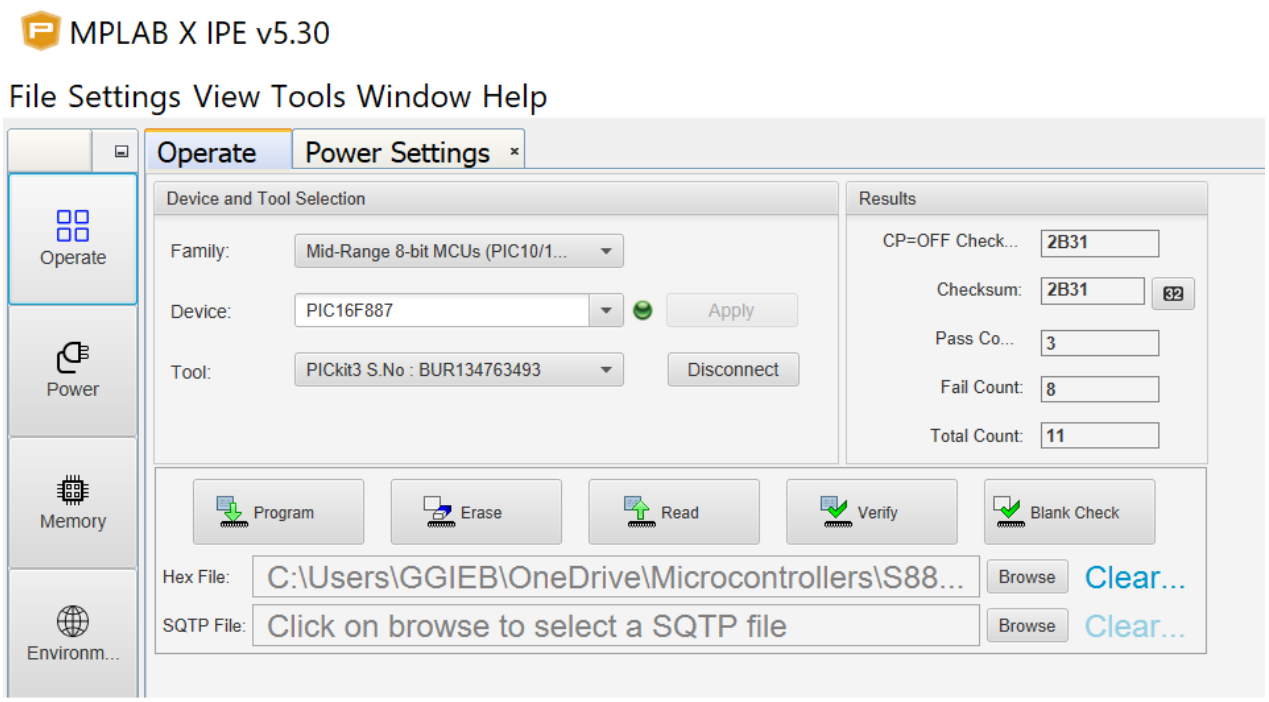
You can download MPLAB X IPE from the Microchip website, and open this program.

MPLAB X IPE v5.30

File Settings View Tools Window Help



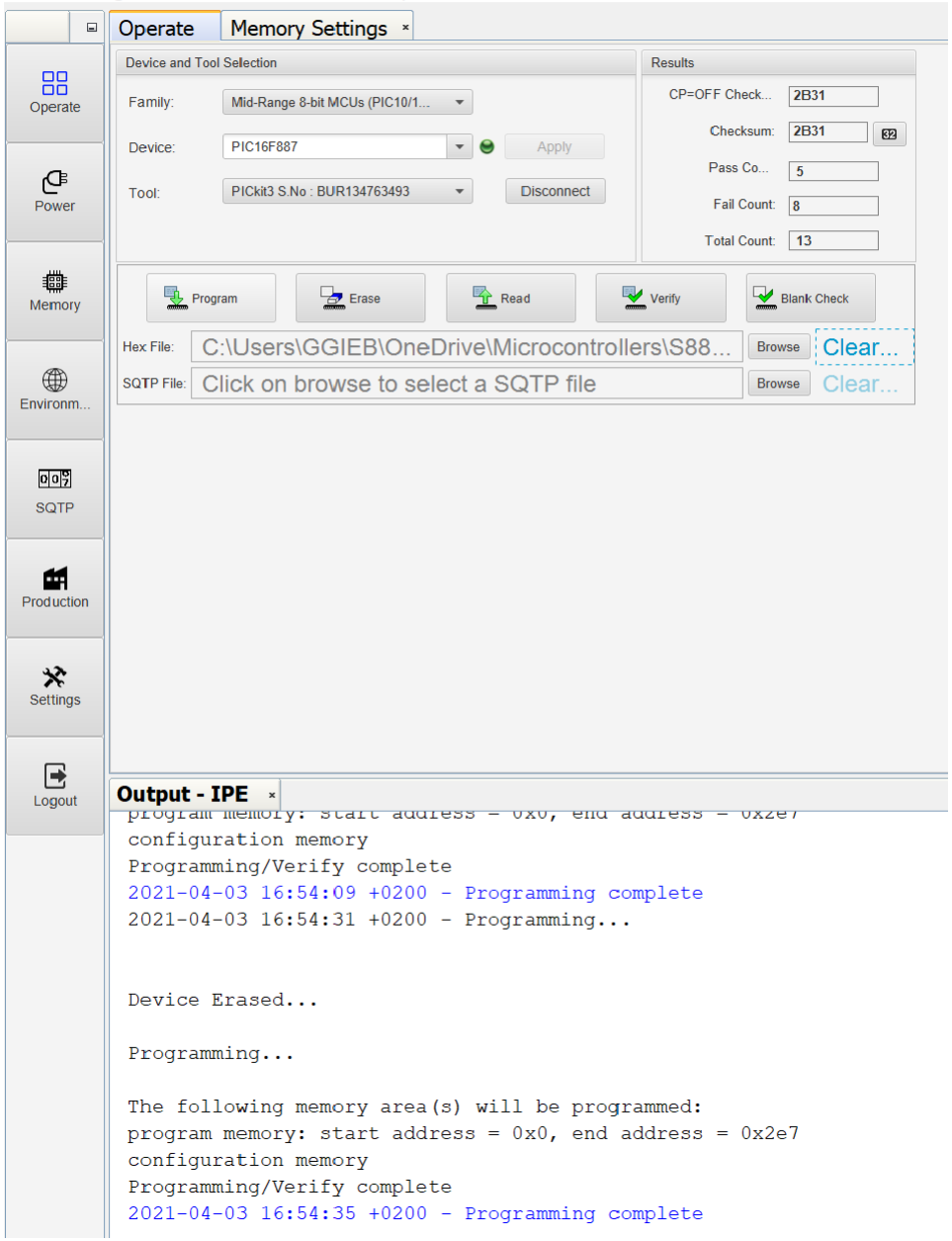
Check option ‘Power target’



Select device and Hex File to upload. You can then upload the software to the microcontroller by clicking on ‘Program'.

MPLAB X IPE v5.30

File Settings View Tools Window Help



If the upload was successful, you will be notified: ‘Programming completed’