A screenshot of a computer program

AI-generated content may be incorrect.

A computer with a device connected to it

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.



A screenshot of a computer program

AI-generated content may be incorrect.



A black screen with white text

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.



Using the debugger it seems like the function goes into the for loop 1 time too many

A screenshot of a computer

AI-generated content may be incorrect.

So for power of 2 it should only go into the loop once however because I starts at 1 it goes into the loop 2 times which results in it cubing the number instead of squaring. An easy solution would be to remove the <= and making it a <. This fixes this issues. However there is also the issue with negative numbers, this happens because of the usage of int8 which can only reach a maximum value of 128. To fix this a larger data type could be used like uint16 or int16.

A screenshot of a computer program

AI-generated content may be incorrect.

This code results in

A screenshot of a computer screen

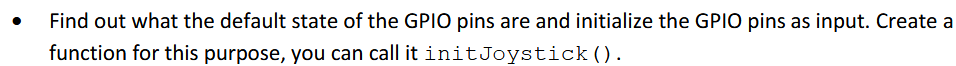
AI-generated content may be incorrect.

Which is now correct



A black text on a white background

AI-generated content may be incorrect.



Since we pull the input down its default value is 0 and the code for initializing is shown below

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer code

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A white paper with black text

AI-generated content may be incorrect.

Use the same code from the joystick and now made some for the LED

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer code

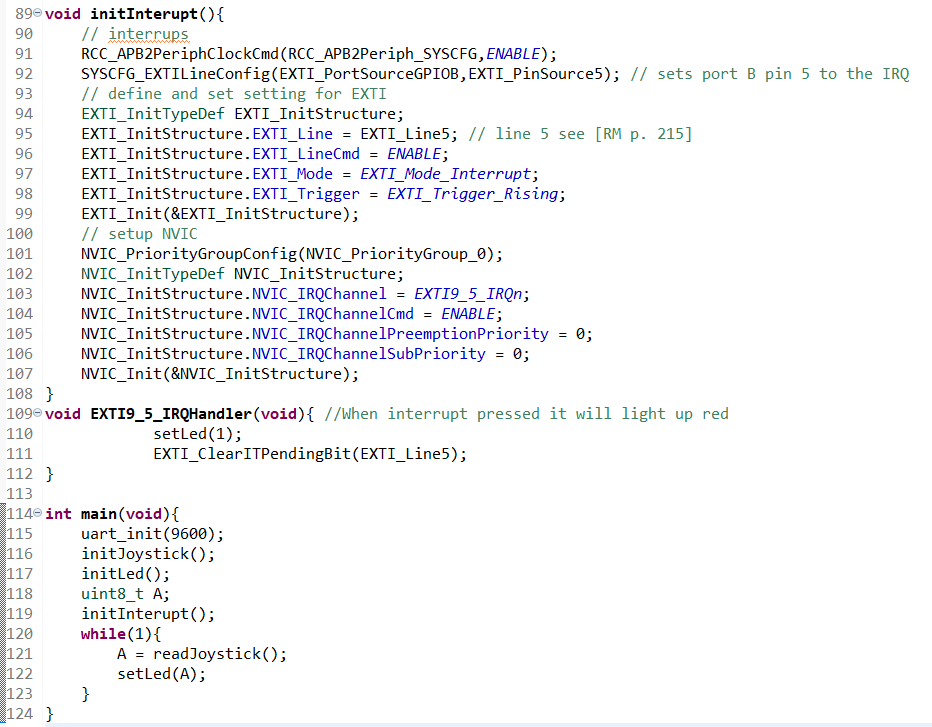
AI-generated content may be incorrect.

A screen shot of a computer code

AI-generated content may be incorrect.



Same program for joystick as last time



Made it so that when the center button is pressed the LED will light up red

A screenshot of a computer program

AI-generated content may be incorrect.

Made it so that the led will blink every 1/100th of a second and then when the center is pressed it will turn off. A close up of text

AI-generated content may be incorrect.

A black text with black text

AI-generated content may be incorrect.



A computer code with numbers and symbols

AI-generated content may be incorrect.

A black background with white numbers and symbols

AI-generated content may be incorrect.