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/*
* Title: clock.c
* Author: Noah Rowbotham
* Date: Jan. 21st, 2020
* Lab: ENEL 387-091
#include "stm32f10x.h"
#include "clock.h"
void initPLL_24MHz(void)
{
        uint32_t temp = 0x00;
        //PLLMUL X3, PLL clock = PREDIV1, SW = PLL as system clock
        RCC->CFGR |= RCC_CFGR_PLLMULL_0 | RCC_CFGR_PLLSRC | RCC_CFGR_SW_1;
        //Turn on PLL, HSE, HSI
        RCC->CR |= RCC_CR_PLLON | RCC_CR_HSEON | RCC_CR_HSION;
        //Loop until PLLRDY goes high
        while (temp != 0x02000000)
        {
                temp = RCC->CR & 0x02000000;
        }
}
```