```c
 #include "stm32f10x.h"
 #include "clock.h"

// CLOCK AND TIMING FUNCTIONS

/*
* Name:         void clockInit()
* Paramaters:   none
* Description: This function will initialize the device internal
               clock to 24 Mhz
*/
void clockInit(void)
{
    uint32_t temp = 0x00;
    //If you hover over the RCC you can go to the definition and then
    //see it is a structure of all the RCC registers.  Then you can
    //simply assign a value.
    RCC->CFGR = 0x00050002;     // Output PLL/2 as MCO,
                                // PLLMUL X3, PREDIV1 is PLL input

    RCC->CR =  0x01010081;      // Turn on PLL, HSE, HSI

    while (temp != 0x02000000)  // Wait for the PLL to stabilize
    {
        temp = RCC->CR & 0x02000000; //Check to see if the PLL lock bit is set
    }
}


/*
* Name:         void delay()
* Paramaters:   32 bit delay value, ( a value of 6000
                gives approximately 1 mS of delay)
* Description:  This function creates a delay
*/
void delay(uint32_t count)
{
    int i=0;
    for(i=0; i< count; ++i)
    {
    }
}


```