

```
1  /*ENEL 387*/
2  /*Authors: Daniel Takyi & Dwijen Kapadia*/
3  /*Filename: clocks.c*/
4
5
6
7  #include "stm32f10x.h"
8  #include "clocks.h"
9
10
11 void clockInit(void)
12 {
13     uint32_t temp = 0x00;
14     //If you hover over the RCC you can go to the definition and then
15     //see it is a structure of all the RCC registers. Then you can
16     //simply assign a value.
17     RCC->CFGR = 0x00050002;    // MCO: No clock,
18                                // PLLMUL X3, PREDIV1 is PLL input
19
20     RCC->CR = 0x01010081;    // Turn on PLL, HSE, HSI
21
22     while (temp != 0x02000000) // Wait for the PLL to stabilize
23     {
24         temp = RCC->CR & 0x02000000; //Check to see if the PLL lock bit is set
25     }
26
27
28
29
30 }
31
32
33
34
35
36
```