```
1   // SysTickInts.h
2   // Runs on LM3S1968
3   // Use the SysTick timer to request interrupts at a particular period.
4   // Daniel Valvano
5   // June 27, 2011
6
7   /* This example accompanies the book
8      "Embedded Systems: Real Time Interfacing to the Arm Cortex M3",
9      ISBN: 978-1463590154, Jonathan Valvano, copyright (c) 2011
10
11     Program 5.12, section 5.7
12
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23   */
24
25
26
27   // **************SysTick_Init********************
28   // Initialize Systick periodic interrupts
29   // Input: interrupt period
30   //         Units of period are 20ns
31   //         Maximum is 2^24-1
32   //         Minimum is determined by length of ISR
33   // Output: none
34   void SysTick_Init(unsigned long period);
35   void SysTick_Switch(unsigned int on);
36   void SysTick_Wait(unsigned long delay);
37
```