



SHEET 5

- Q1. Write a C function to initialize SysTick Timer with maximum reload value.
- Q2. Write a C function that wait for 1 ms using SysTick timer. Assume the SysTick timer operates on 80 MHZ.
- Q3. Repeat the previous questions using assembly.
- Q4. Write a C function that uses the function written in Q2 to make a generic delay function that wait for multiples of 1 ms.
- Q5. Write a C program to flash the RGB LED of TivaC for each color in order red, blue then green, with delay 1 sec between each color, where red color is represented by 0x02, blue color is represented by 0x04, and green color is represented by 0x08. Assume the SysTick timer operates on 80 MHZ.