```
* Johnny Jung - Lab 1
*/
#include "support common.h" /* include peripheral declarations and more */
#if (CONSOLE IO SUPPORT | ENABLE UART SUPPORT)
/* Standard IO is only possible if Console or UART support is enabled. */
#include <stdio.h>
#include "usc support.h"
#endif
int main(void)
   int counter = 0;
   asm{
       // Setup for Switch / LED
       move.1 #0x0f,d0
       move.b d0,0x40100074 // 00001111 into PDDPAR (Switch)
       4 move b do, 0x74(A1)
       move.b d0,0x4010002C // 00001111 into DDRDD (Switch)
       bymore. b do, 0x27(A)
       move.1 #0,d0
       move.b d0,0x4010006F // 00000000 into PTCPAR (LED)
       4 move. 6 do, 0x6F(A1)
       // Actual I/O
                             // move switch input to D1
       move.b 0x40100044,d1
        La move b OX H4(A1), d1
       eori.l #0xf0,d1
       lsr.l #4,dl // get rid of 4LSB bits
move.b d1,0x4010000F // D1 into PORTTC
       Wmove.b dl, OxOF(AI)
   L1: subq.1 #1, d1
       andi.l #0x0f, d1
       move.b d1,0x4010000F
       4 move b d1, 0x0F(AI)
       bra L1
   for(;;) { counter++; }
}
```