

default

PC: 0x0 How do I? Keyword(s)

Projects Files Classes

newproforpract

- Header Files
- Important Files
- Linker Files
- Source Files
 - hw2-q1.S
 - hw2-q2.S
- Libraries
- Loadables

Start Page MPLAB X Store practicecode hw2-q1.S hw2-q2.S

Asm Source History

```
20      .data
21      v1:      .word    12
22      v2:      .word    0xFEEDABEE
23
24      .text
25      .set     noreorder
26      .ent     main
27
28      main:
29          lw     $s1, v1          ## $s1 = v1
30          lw     $s2, v2          ## $s2 = v2
31          lui    $t0, 0
32          ori    $t0, $t0, 0xFEED
33          lui    $t1, 0x0001
34          ori    $t1, $t1, 0x00FF
35          and    $t1, $t1, $s2
36          sll    $t2, $s1, 2
37          add    $t2, $t2, $s1
38          srl    $t3, $s2, 3
39          sub    $t3, $t3, $s2
40          divu   $t4, $s1, 6
41          li     $t5, 0x00FF0000
42          xor    $t5, $s2, $t5
43
44          ## $t0 = v2 with highest 10 bits cleared (set to 0), other bits staying the same
45          ## $t1 = v2 with lower 1 byte set to 1, other bits staying the same
46          ## $t2 = v1 multiplied by 5 *without* using a multiply instruction
47          ## $t3 = v2 divided by 7 *without* using a division instruction
48          ## $t4 = remainder of v1 divided by 6
49          ## $t5 = v2 with the highest 8 bits flipped (inverted) and the remaining 24 bits staying the same
50          ## $t6 = 65536 without using any pseudo-instructions (i.e., shouldn't use "li $t6, 65536")
51
52          # This code simply loops infinitely
53      spin:      j         spin
54              nop
55
56      .end      main
```

newproforpract - Dashboard hw2-q2.S - Navigator

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- Project Type: Application - Configuration: default
- Device
 - PIC32MM0064GPL036
 - Checksum: Blank, no code loaded
 - CRC32: Hex file unavailable
- Packs
 - PIC32MM-GPL-0XX_DFP (1.3.57)
 - Simulator (1.6.642)
- Compiler Toolchain
 - XC32 (v4.35) [C:\Program Files\Microchip\xc32\v4.35\bin]
 - Production Image: Optimization:
 - Device support information: PIC32MM-GPL-0XX_DFP (1.3.57)
- Memory
 - Usage Symbols disabled. Click to enable Load Symbols.
 - Data 8,192 (0x2000) bytes
 - Program 65,536 (0x10000) bytes
 - Stack Usage Guidance
- Debug Tool