

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

newproforpract - Dashboard hw2-q1.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

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

Asm Source History

```
8      .data
9      # Remember, an word is a signed word (32 bits)
10     a:      .word      8192
11     # define the remaining variable
12     b:      .word 65536
13     c:      .word 17
14     x:      .word 0
15     z:      .word 0
16
17     .text
18     .set      noreorder
19     .ent      main
20
21     main:
22     # variables
23     lw $t0, a
24     lw $t1, b
25     lw $t2, c
26     li $t3, 3
27     li $t4, 8
28     # Calculate x = (a - 3) / (b + c - 8)
29     sub $t5, $t0, $t3
30     add $t1, $t1, $t2
31     sub $t1, $t1, $t4
32
33     div $t5, $t1
34     mflo $t5
35     #z = (a + x) * c;
36     add $t6, $t5, $t0
37     mul $t6, $t6, $t2
38     sw $t5, x
39     sw $t6, z
40     # This code simply loops infinitely -- we will cover jump (j) instructions soon
41     spin: j      spin
42     nop
43
44     .end      main
```