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CSE230 Homework #2

2. The first byte of a 4-byte word must be stored at a memory address that is divisible by 4 and 0x1000 C482 is not divisible by 4.

0x1A2B3C4D

- 4. lw \$t0, -4(\$s0) #loads a into #st0 lw \$t1, 8(\$s0) #loads c into \$t1
- 5. addi t0, t0, -1000 #t0 = t0 1000

6.

- 7. Labels are a way to order a program as it gives a name to a specific memory location that can be called
 - 8. .data

a: .word 100 # equivalent to int x = 100

b: .word -100 # int y = -100

ch: .byte \$ # char ch = '\$'

array: .word 3, 5, 7 # int array[3] = {3,5,7}

9.

10.