```
# Lecture 12 Exercise 2
# Load and store instructions

        .text
main:   lw $t0,num1
        sw $t0,num3

        la $t2,num1
        lw $t1,4($t2)
        sw $t1,12($t2)

        lw $a0,num3
        li $v0,1
        syscall

        li $a0,0x0a
        li $v0,11
        syscall

        lw $a0,12($t2)
        li $v0,1
        syscall

        li $v0,10
        syscall

        .data
num1:   .word 35478
num2:   .word 98787
num3:   .word 0
num4:   .word 0
```