```
## Program to swap two memory words
 .data # load data
x: .word 7
y: .word 3

 .text
 .globl main
main:
 lui $s0, 0x1001 # load data area start address 0x10010000
 lw $s1, 0($s0)
 lw $s2, 4($s0)
 sw $s2, 0($s0)
 sw $s1, 4($s0)

 li $v0, 10 # Sets $v0 to "10" to select exit syscall
 syscall # Exit
```