

# MIPS Example Program

```
.data
xyz:   .word 0 : 16
space: .asciiz " "
      .text
      la $t1, xyz
      li $t2, 16
      li $t3, 1
abc:   sw $t3, 0($t1)
      add $t3, $t3, $t3
      addi $t1, $t1, 4
      addi $t2, $t2, -1
      bgtz $t2, abc
      la $t1, xyz
      li $t2, 8
def:   lw $a0, 0($t1)
      li $v0, 1
      syscall
      la $a0, space
      li $v0, 4
      syscall
      addi $t1, $t1, 8
      addi $t2, $t2, -1
      bgtz $t2, def
      li $v0, 10
      syscall
```