

Lecture 13 Program 3

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Counts lower-case letters in "Hello, world!."

```
.text
main:  la $t0, str
loop:  lb $t1, 0($t0)
       beqz $t1, print
       blt $t1, 0x61, next
       bgt $t1, 0x7a, next
       addi $t2, $t2, 1

next:   addi $t0, $t0, 1
       j loop

print:  la $a0, answer
       li $v0, 4
       syscall

       move $a0, $t2
       li $v0, 1
       syscall

       li $v0, 10
       syscall

.data
str:    .asciiz "Hello, world!\n"
answer: .asciiz "The number of lower case letters in Hello, world! is "
```