

## Lecture 15 Program 4

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# Lecture 15 Program 4
# Printing out lower case letters
# and numbers in an ASCII string

        .text
main:    la $t2, number
        li $v0, 11
load:    lb $a0, 0($t2)
        beqz $a0, done
        blt $a0, 0x30, filter
        bgt $a0, 0x39, filter
        syscall
nextlet: addi $t2, $t2, 1
        j load
filter:  blt $a0, 0x61, nextlet
        bgt $a0, 0x7a, nextlet
        syscall
        j nextlet

done:    li $v0, 10
        syscall
        .data
number:  .asciiz "1234abcdEF56GHi 89"
```