

```

        .data
textlow:    .ascii "This is a sample text!"
eol:        .ascii "\n"

        .text
        .globl main

main:      li $t0, 22      # set the string length
          li $t1, 0       # set character counter to 0
          la $t2, textlow  # set string start address

          move $a0, $t2    # print initial string
          li $v0, 4
          syscall

loop:      lb $t3, 0($t2)   # read current chracter
          blt $t3, 97, next # if less than 'a' then ignore
          bgt $t3, 122, next # if greater than 'z' then ignore
          sub $t3, $t3, 32  # subtract 32 to turn to capital letter
          sb $t3, 0($t2)   # store new character back

next:      addiu $t1, $t1, 1 # increase by 1 the character counter
          addiu $t2, $t2, 1 # increase by 1 to advance to next character
          bne $t0, $t1, loop # check if string length has not reached and back to loop

end:      la $a0, eol      # advance to next line
          li $v0, 4
          syscall
          la $a0, textlow  # print new string as resulted
          li $v0, 4
          syscall

          jr $ra

```