

```

.data
Request: .ascii "Using values between 1 and 255 please do the
following: \n"
input1: .ascii "\nEnter a value to be multiplied: "
input2: .ascii "Enter a value to multiply with: "
endl: .ascii "\n"
results: .ascii "\nResult: "

.text

main:
addi    $sp, $sp, -4
li      $s0, 256
li      $s1, 1

reinput:

li      $v0, 4                ## code to print string
la      $a0, Request          ## loading string to print
syscall

li      $v0, 4                ## code to print string
la      $a0, input1           ## loading string to print
syscall

li      $v0, 5
syscall
move    $t1, $v0

li      $v0, 4                ## code to print string
la      $a0, input2           ## loading string to print
syscall

li      $v0, 5
syscall
move    $t2, $v0

bge     $t1, $s0, reinput
bge     $t2, $s0, reinput
ble     $t1, $0, reinput
ble     $t2, $0, reinput

sw      $t1, 4($sp)
sw      $t2, 8($sp)
jal     rmult

li      $v0, 4                ## code to print string
la      $a0, results          ## loading string to print
syscall

```

