.data

Nhap:.asciiz "Nhap vao mot chuoi:"

so:.asciiz "\nSo ki tu so :"

chu:.asciiz "\nSo ki tu chu :"

khac:.asciiz "\nSo ki tu khac :"

str:.space 1024

.text

main:

#nhap vao chuoi

li $v0,4

la $a0,Nhap

syscall

li $v0,8

la $a0,str

li $a1,1024

syscall

# ki tu so

xor $t0,$t0,$t0

xor $t3,$t3,$t3

xor $t4,$t4,$t4

la $t1,str

kituso:

lb $t2,($t1)

beq $t2,10,end

blt $t2,'0',kituthuong

bgt $t2,'9',kituthuong

addi $t0,$t0,1

addi $t1,$t1,1

j kituso

kituthuong:

blt $t2,'a',kituhoa

bgt $t2,'z',kituhoa

addi $t3,$t3,1

addi $t1,$t1,1

j kituso

kituhoa:

blt $t2,'A',kitukhac

bgt $t2,'Z',kitukhac

addi $t3,$t3,1

addi $t1,$t1,1

j kituso

kitukhac:

addi $t4,$t4,1

addi $t1,$t1,1

j kituso

end:

la $a0,so

li $v0,4

syscall

li $v0,1

move $a0,$t0

syscall

la $a0,chu

li $v0,4

syscall

li $v0,1

move $a0,$t3

syscall

la $a0,khac

li $v0,4

syscall

li $v0,1

move $a0,$t4

syscall

li $v0,10

syscall