```
#Chuong trinh: while-tim ky tu trong chuoi
#-----
          .include "macro.mac"
#Data segment
           .data
#Cac dinh nghia bien
str s: .asciiz "Computer Architecture CSE-HCMUT."
char_c: .byte 'u' int_vtri: .word 13
#Cac cau Xuat nhap du lieu
nhap_c: .asciiz "Nhap ky tu: "
xuat_tt: .asciiz "Tim thay ky tu tai vi tri "
xuat_kt1: .asciiz "Khong tim thay ky tu '"
xuat_kt2: .asciiz "' trong chuoi."
daungan: .asciiz "\n==========\n"
#-----
#Code segment
          .text
#-----
# Chuong trinh chinh
#-----
main:
#Nhap (syscall)
  # Nhap ky tu
           getch p nhap_c,char_c
           linefeed
#Xu ly
  # t0=s[i]/kq, t1=c, t3=i(=0), a1=sptr(=addr(s[0]))
                $t1,char c
           lb
                    $t3,$zero,0
           addi
           la
                    $a1,str s
  #while (s[i]!=kytu && s[i]!='\0')
wcond:
                    $t0,0($a1) #s[i]
          lb
    # DK1': s[i] == kytu
          beq $t0,$t1,endwh
    # DK2': s[i] == ' \ 0'
                   $t0,$zero,endwh
          beq
  #wbody
          addi $t3,$t3,1 #i++
addi $a1,$a1,1 #sptr++
j wcond
  #endwh
endwh:
#Xuat ket qua (syscall)
  #if (s[i]!='\0')
           beq
                   $t0,$zero,else1
  #then:tim thay
          addi $t3,$t3,1

sw $t3,int_vtri

putu_p xuat_tt,int_vtri

j endif
  #else:khong tim thay
else:
```