

```

#Chương trình: if1 (a%2==0)
#-----
#Data segment
    .data
#Cac dinh nghia bien
int_a:    .word    0
#Cac cau nhac nhap du lieu
Nhap_a:   .asciiz   "Nhap a: "
Xuat_dkd: .asciiz   "Computer Science and Engineering, HCMUT."
Xuat_dks: .asciiz   "Computer Architecture 2021."
#-----
#Code segment
    .text
    .globl    main
#-----
#Chương trình chính
#-----
main:
#Nhap (syscall)
    # Nhap a
        la    $a0,Nhap_a
        addi $v0,$zero,4
        syscall
        addi $v0,$zero,5
        syscall
        sw    $v0,int_a
#Xu ly
    # a%2 => DIV + MFHI
    # t0=a/RES, t1=2
        lw    $t0,int_a
        addi $t1,$zero,2
    # if (a%2==0)
        div   $t0,$t1
        mfhi  $t0
        bne   $t0,$zero,else1
    # then
        la    $a0,Xuat_dkd
        addi $v0,$zero,4
        syscall
        j     endif1      # bo qua else
    # else
else1:
        la    $a0,Xuat_dks
        addi $v0,$zero,4
        syscall
    # endif
endif1:
#Xuat ket qua (syscall)
#ket thuc chuong trinh (syscall)
Kthuc:    addiu    $v0,$zero,10
        syscall
#-----

```