

```

#Chương trình: if1(a%2==0)
#-----
        .include    "macro.mac"
#Data segment
        .data
#Cac dinh nghia bien
int_a:  .word      13
#Cac cau nhac nhap du lieu
nhap_a: .asciiiz   "Nhap a: "
xuat_du: .asciiiz  "Computer Science and Engineering, HCMUT."
xuat_sa: .asciiiz  "Computer Architecture 2023."
#-----
#Code segment
        .text
#-----
#Chương trình chính
#-----
main:
#Nhap (syscall)
    # Nhap a
        geti_p    nhap_a,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    # dao dk, bo qua then
    # then
        puts      xuat_du
        j         endif1            # xong then, bo qua else
    # else
else1:
        puts      xuat_sa
    # endif
endif1:
#Xuat ket qua (syscall)
#ket thuc chuong trinh (syscall)
Kthuc:  addi      $v0,$zero,10
        syscall
#-----

```