```
# Chuong trinh: chu vi/dien tich hinh tron
#-----------------------------------
          .include  "macro.mac"
# Data segment
          .data
# Cac dinh nghia bien
flo_r:    .float    1.3
flo_cv:   .float    2.7
flo_dt:   .float    3.5
flo_PI:   .float    3.141592
flo_SO2:  .float    2.0
# Cac cau nhac nhap du lieu
nhap_r:   .asciiz   "Nhap ban kinh: "
xuat_cv:  .asciiz   "Chu vi    = "
xuat_dt:  .asciiz   "Dien tich = "
xuat_bka: .asciiz   "Ban kinh am hoac bang khong!"
#-----------------------------------
# Code segment
          .text
#-----------------------------------
# Chuong trinh chinh
#-----------------------------------
main:
# Nhap (syscall)
  # Nhap ban kinh r
          getf_p    nhap_r,flo_r
# Xu ly
  #if (r>0)
          mtc1      $zero,$f1
          c.lt.s    $f1,$f0         # kiem tra (0<r)
          bc1t      then            # dung, tinh cv/dt
          puts      xuat_bka        # bao loi
          j         Kthuc
  #then: tinh chu vi/dien tich
then:
   #f0=2/cv/dt, f1=PI, f2=r
          lwc1      $f0,flo_SO2
          lwc1      $f1,flo_PI
          lwc1      $f2,flo_r
   #cv=2*PI          [cv=cv*PI]
          mul.s     $f0,$f0,$f1
    #cv=2*PI*r       [cv=cv*r]
          mul.s     $f0,$f0,$f2
          swc1      $f0,flo_cv
   #dt=PI*r          [dt=PI*r]
          mul.s     $f0,$f1,$f2
    #dt=PI*r*r       [dt=dt*r]
          mul.s     $f0,$f0,$f2
          swc1      $f0,flo_dt
# Xuat ket qua (syscall)
  # Xuat chu vi
          putf_p    xuat_cv,flo_cv
          linefeed
  # Xuat dien tich
```

```
          putf_p    xuat_cv,flo_dt
# Ket thuc chuong trinh (syscall)
Kthuc:    addi      $v0,$zero,10
          syscall
#-----------------------------------
```