```fortran
module export
use struc
implicit none

contains
subroutine exporting(j,p_first,p_old,temp,gcum,config)
    type(eng), intent(in), dimension(:) :: temp
    real, intent(in), dimension(:)       :: gcum
    type(obj), intent(in), dimension(:) :: p_old, p_first
    type(conf), intent(in)               :: config
    integer, intent(in)                  :: j
    integer      :: i
    92 format(2(f14.5))
    94 format(4(f14.5))
    99 format(9(f14.5))
    open(10,file="data/" // config%LR2(config%lennar) //config%V1(config%VV) //
"firend" // achar(j+64) // ".dat")
    open(11,file="data/" // config%LR2(config%lennar) //config%V1(config%VV) //
"energy" // achar(j+64) // ".dat")
    open(12,file="data/" // config%LR2(config%lennar) //config%V1(config%VV) //
"densig" // achar(j+64) // ".dat")
    do i=1,config%n_particles
        write(10,94),p_first(i)%x,p_first(i)%y,p_old(i)%x,p_old(i)%y
    end do
    do i=1,config%timebond
        write (11,99), i*config%dt,temp(i)
    end do
    i=1
    do while (config%dr*i<config%L*0.5)
        write (12,92), config%dr*i,gcum(i)/(3.1415*config%dr*(2*i+1)*config%timebond)
        i=i+1
    end do
    close(10)
    close(11)
    close(12)
end subroutine exporting
!--------------------------------------------------------------
subroutine exporting1(config,tm)
    type(conf), intent(in)               :: config
    type(eng), intent(in), dimension(:) :: tm
    integer      :: i
    90 format(8(f14.5))
    open(9,file="data/" // config%LR2(config%lennar)// config%V1(config%VV) //
"config.dat")
    write(9,*),"Molecular Dynamics with The" // config%LR(config%Lennar)
    write(9,*),"with ",config%V2(config%VV)
    write(9,*),config%V2(config%VV)
    write(9,*),"Timebond  :",config%timebond,   " Cutoff      :",config%Cutoff
    write(9,*),"Particles :",config%n_particles," temp1       :",config%temp1
    write(9,*),"Temprature:",config%temp1
    write(9,*),"v max      :",config%v_max
    write(9,*),"dt         :",config%dt
    write(9,*),"dr         :",config%dr
    write(9,*),"-------------------------------------------------------------------
--------"
    write(9,*),"L         MPE      MKE       MTE       MTemp     MVirial      Mr2
    Mdr2"
    do i=1,config%step
        write(9,90),config%L1 + config%dL*i,tm(i)
    end do
    close(9)
end subroutine exporting1
```

```fortran
!-----------------------------------------------------
subroutine print1(config)
    type(conf)  :: config
    print *,"Molecular Dynamics with The " // config%LR(config%Lennar)
    print *,"with ",config%V2(config%VV)
    print *,"Hamid Abbaszadeh, hamidabp@yahoo.com 2006/01/12"
    print *,"Number of Particles :",config%n_particles
    print *,"Total Time          :",config%timebond*config%dt
    print *,"Temprature          :",config%temp1
    print *,"dt                  :",config%dt
    print *,"dr                  :",config%dr
    print
*,"---------------------------------------------------------------"
    print *,"         L        MTE       MTemp        MPR       Mdr2       Mr2    CPU
time"
end subroutine print1
!-----------------------------------------------------
subroutine printresult(tm,t,L)
    type(eng)   :: tm
    real        :: t,L
    11 format(7(f11.5))
    write(*,11),L,tm%e,tm%t,tm%pr, tm%dr2,tm%r2,t
end subroutine printresult
end module export
```