```
!-----------------------------------------------------------------------------------------------!
! Give a name to the subroutine by replacing the word in parenthesis [ ]          !
! and the input and output variables                                              !
!-----------------------------------------------------------------------------------------------!
Subroutine [name]( [input, input, …, output, output,…] )



!-----------------------------------------------------------------------------------------------!
! Declaring variable types as either real, integer, double precision, complex etc.   !
!-----------------------------------------------------------------------------------------------!
real [variables]
integer [variables]



!-----------------------------------------------------------------------------------------------!
! Main portion of the subroutine                                                  !
!-----------------------------------------------------------------------------------------------!
[your code here --- obtaining an output value at the end of the calculation]



!-----------------------------------------------------------------------------------------------!
! Print or write results to terminal / file (if needed)                           !
!-----------------------------------------------------------------------------------------------!
print*, [output]
write(*,*) [output]



return

end
```