```fortran
 1 module compiler
 2
 3   use iso_fortran_env, only : compiler_options, compiler_version
 4   implicit NONE
 5
 6   private  compiler_options, compiler_version
 7
 8   ! dimensional parameters
 9   character ( * ), parameter :: compiled_by   = compiler_version ( )
10   character ( * ), parameter :: compiled_with = compiler_options  ( )
11
12 end module compiler
```