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Do Exercise 14 in HW-fortran2

 Follow along with instructor, learning about modules. A module is like a clipboard in a Mac or Windows gui. But in a module you can have many items copied to the clipboard and you can access them by name. The data stored in modules can be accessed from any subroutine that uses the module.







```
...more string manipulation:
     index, substrings
!Suppose a character string is "fred.txt", and you want
!the program to create a new string "fredout.xls".
character(len=50) :: inname = "fred.txt"
character(len=60) :: outname
integer :: j
!First, use intrinsic function index to find the location
!of the "." in the name.
  j = index(inname,".")
!for example, in "fred.txt", the "." is the 5th character.
!Use substrings to pick out a portion of a whole string;
!e.g., inname(2:4) corresponds to the letters "red".
 outname = inname(1:(j-1)) // "out.xls"
!Thus:
 write(*,*) outname
!would print:
                                                        17
 fredout.xls
```





