

NUM I 23-24: Assignment 4

Write a Fortran performing the following tasks:

- 1) Write a real function computing the average of the values of an input real array
- 2) Read the content of the file “sst.dat” into four real arrays by columns, skipping header lines (first character is #).
- 3) Compute the average value of the second, third and fourth column by calling the function created in (1)
- 4) Print the averaged values, ordering them in ascending order, and print a sensible message: what can you observe, getting the context from the file header?

HINT: Be careful with the format!

BONUS: Compute the number of valid lines and allocate storage space before reading in the data.

Send the source code to <ggiulian@ictp.it> by September 28th