

- Open the file (if it exists, if not then create the file)
- read the contents
- Display the contents
- Close the file.

## Menu:

What is your First Name?

userName

String userName

↑  
• String from user  
• validate this

How many grades are you

entering, user Name?

numGrades

↑  
: int from user  
: validated input

double gradesArr[numGrades];  
for each double in gradesArr:

What is the — Value?  
↑  
validated double  
then gets stored into the array.

Why re-invent the wheel?  
C STL includes a sort.

Sort(gradesArr)

Open file  
write to file  
Close the file

loop from start exit

Close the ... ~~loop~~ start exit  
↑ ↑

All done, do it again (y) or exit (n)