

## Normo Vs. His Own Identity

### Objective:

- File input/output

### Scenario:

After that embarrassing encounter with the slimes, Normo is finally back at the guild. He has been shunned and dishonorably discharged, however, and needs to find his way back in. There is only one thing to do now: change his identity using scraps of paper he finds on the ground. Normo will pick up various pieces of paper off the ground that have either a new name, a new class, or a new level on it that he will adopt as his own.

### Requirements:

- You will be provided an input file. The name of this input file will be taken as input from the user. You **must** validate that this file exists. If it does not exist, reprompt the user until they input the name of a valid input file.
- The first line of the input file will contain an integer **N**. **N** represents the amount of lines of input that need to be taken in, or the amount of pieces of paper (Normo?) picks up. Each subsequent line will have a string **S**, and a value **I**. **S** will be either "name", "class", or "level". For each line of input, you must set his corresponding stat equal to **I**.
- After all lines of input have been processed, output Normo's name, class, and level to an output file called "output.txt".

- If any of his attributes do not change during this process, output his default corresponding attribute, which is 'name = Normo', 'class = accountant', and 'level = 0'.

## Program Flow

- Set Normo's default stats
- Get the name of the input file from the user, using input validation.
- Process the information from the file
- Output Normo's final attributes to a file called "output.txt"

## Submission

- To test your code, run the command `fg++ *.cpp -o fileName` and type `fileName` into the command line to run your executable.
- Submissions must be made through git. If you need a refresher:
  - `git clone` your repository.
  - `cd` into your repository.
  - Write all of your code in your repo.
  - When you're done, `git add .`
  - `git commit -m "He's back, fellas"`
  - `git push`
  - Double check gitlab to make sure your submission went through.

## Sample Input (input.txt)

10

name Geoffrey  
class Bard

level -6  
level 5  
level 11  
name Ormon  
class Bard  
class Rogue  
level 41  
class Barbarian

### Sample output (console)

What is the name of the input file?

onpot.txt

File not found.

What is the name of the input file?

input.txt

File stream successfully connected.

### Sample output (output.txt)

Ormon's final attributes:

Name - Ormon  
Class - Barbarian  
Level - 41

### Notes:

- Remember that if you unsuccessfully try to open a file, the command "fin" will return false.

- Don't forget to close your file streams when you are done with them.