

Lab 10 - File Input Output

Part A:

Question 1:

There are 6 different file open modes, they are:

- In: file open for reading.
- Out: file open for writing.
- Binary: Operations are performed in binary mode rather than text.
- Ate: The output position starts at the end of the file
- App: All output operations happen at the end of the file, appending to its existing contents.
- Trunc: Any contents that existed in the file before it is open are discarded.

Question 2:

When the file object goes out of scope or the program ends, the file will be automatically closed. However, before this it will remain open until explicitly closed. This could cause issues if you have many files being opened throughout the program or are trying to access the same file from a different program.

Question 3:

The size of the file is 9 bytes. This is expected because floats and integers are typically 4 bytes each and a character is typically 1 byte.

Part B:

Use `getline` to retrieve line from open textfile.

Used the line splitter from task 2.

Part C:

Downloaded `json.hpp` file from github. To include this file in my code, I had to declare another include path in the solutions properties.

Using code from the github page I printed the contents of the file.