### Lab 10 notes:

### Author: Khang Trinh – 102118468

Q1: The different types of file open modes are:

Learning Link: <https://www.tutorialspoint.com/cplusplus/cpp_files_streams.htm>

* app: append mode. All output to the file will be appended at the end
* ate: the file will be opened for output and the read/write control will be from the end of the file
* in: open a file for reading
* out: open a file for writing
* trunc: if the file already exists, its contents will be truncated before opening

Q2: Potential reasons for what would happen if you don’t close a file after opening it

Learning Link: <https://stackoverflow.com/questions/15854526/why-is-it-necessary-to-close-a-file-after-using-it>

* Consume unnecessary system resources
* Your changes to the file may not be saved
* Closing the file = releasing resources. Doing it manually = having control over when/how the programmer wants to release the resources