Lab 10 notes:

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Q1: The different types of file open modes are:

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