Assignment 5

**SINGLE EXAMINEE AFFIDAVIT**

“I, the undersigned, promise that this exam submission is my own work. I recognize that should this not be the case; I will be subject to plagiarism penalties as outlined in the course syllabus.”

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Question 1

Text, letter

Description automatically generated

Question 2

X

Question 3

This disk operation is non idempotent. This is because in order to replace every white space at the end of **every** line, you have to parse through every line of the file. And with each line that is parsed, you have to do the same operation. When we are focusing only on a single line (or if the whole file only has a single line), it’s an idempotent action because you only have to do it once. But if we are looking at the file as a whole, the same action must be done multiple times in order to get the desired result. Hence, it is not idempotent.

Question 4

Text, letter

Description automatically generated

Question 5