

**Faculty of Engineering and Applied Science**

**SOFE 3200U Systems Programming**

**Lab Report 5**

**Group Member 1**

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**Date:**

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# **Questions**

1. When working with Windows, what are the main structural differences you see that separate Windows and Linux?
2. What are other types of sorts that exist? When compared to other methods, why is Bubble Sort not the most optimal?

Other sorts include, insertion sort, merge sort, quick sort etc. Bubble sort is not the most optimal because the time complexity is n^2 whereas a more reliable sorting method would have time complexity of log(n) or n\*log(n). Basically any sort that is closer to constant time complexity would be more optimal.