Ericson Demo

Assignment 3

Observations:

Time it took to fully complete this assignment probably 2.5 hours.

Data observations:

The byte date type had overflow error with in the first write to file statement, this is expected because the byte can only represent values from -128 to 127, you are very limited when using the byte data type.

The short data type did a lot better. I didn’t see overflow errors until about 32000. for the rest of the program the value stays between -32,768 to 32,767**.** The value would just move from -32,000 to 32,000 gradually over many iterations.

The int data type had no overflow errors, the range for an int is -2,147,483,648 to 2,147,483,647 so this makes sense.

What I leaned from this assignment:

I leaned it is better to use the data types that have a bigger value ranger/ allocates more memory if memory is not a concern when making the program. I also leaned the int data type int is more limited than I thought but I have not run into an issue yet.