

Lab 06 | Written Exercises

Q1) 'unsigned long long' is a 64-bit integer type that can be used to store the largest factorial values since factorial values are positive and can be pretty large. Unsigned long long typically goes up to 18,446,744,073,709,551,615.

Q2) When trying to calculate the factorial of 12, the recursive function slows down my computer and no, it's not the same value as the iterative function. The iterative version can handle numbers greater than 12. This is because of the recursive function using the stack to wind and unwind function calls.

Q3) The recursive version is slower and more prone to stack overflow errors as it uses the stack. However, both codes had the same lines(8 lines of code) and are simplified.