One pitfall for recursion is its ease of error. The idea of recursion is difficult to understand, and even more difficult to implement. The slightest mistake can cause a stack overflow and break your program.

A way to mitigate this issue is through proper study of the way that your recursive function will run. You can set a breakpoint inside of your code and follow the compiler step-by-step to find any potential errors or mistakes.

Another pitfall for recursion is that other loops are more often than not a better choice for your program. Recursion is rarely the best choice.

A way to understand this better is simply to know when, and when not, to use recursive loops in your functions.