

## CLICK THERAPEUTICS CODING CHALLENGE

### Question #1:

You're an esteemed engineer at Math & Co. in their Algebraic Infrastructure team. The company is pivoting towards using this new technology that is based on polynomials and many of your peers are on the verge of creating servers that will crunch polynomials. You have been tasked with designing a class to optimally represent a polynomial for their use. This class would need to be high-performance and cater to the operations that can be performed on polynomials. Please provide commentary on your thought process in your design as well as the code for this class in a language of your choice, but note that this class is to be highly efficient and so a language like Python or JavaScript would not be appropriate.

### Question #2:

I need a library with a function that's going to be able to store up to 10 objects which are going to be around 80MB in size each, which I'll later need to access. Please write this library function in the language of your choice, and provide a commentary detailing your design choices and other considerations that might influence them.