**Project 1 - Preliminary**

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The project asks us to multiply 2 numbers with bases between 2 and 10 that could be infinitely long. The algorithm I intend to use is like so:

1. Read the numbers and put them into their respective linked lists by adding each digit to a node.

2. Convert both numbers into base 10 using a method.

3. Multiply both of the numbers and get a base 10 result using a method that will multiply both linked lists and put the result into a new linked list.

4. Convert the result into the base it was originally in.

5. Write the multiplicand, multiplier and result to an output file in both base k and 10 (k being the base it was given in).

This basic outline may change with problems I encounter while solving the problem.