week 4_2:

recursion problems

rajin teaches programming

1. Write a recursive function to calculate the factorial of a non-negative integer.

2. Implement a recursive function to compute the nth Fibonacci number.

3. Write a recursive function to find the sum of digits of a positive integer.

4. Create a recursive function to calculate the exponentiation of a number.

5. Implement a recursive function to reverse a string.

6. Write a recursive function to find the greatest common divisor (GCD) of two integers.

7. Create a recursive function to check if a given string is a palindrome.

8. Write a recursive function to compute the sum of elements in an array.

next class 4_3:

pointers

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