Create a recursive function to calculate the nth Fibonacci number. The Fibonacci sequence is a series of numbers in which each number is the sum of the two preceding ones: 0, 1, 1, 2, 3, 5, 8, ...

Write a recursive function to calculate the factorial of a given number. The factorial of a non-negative integer n is the product of all positive integers less than or equal to n.

Write a recursive function to check if a given string is a palindrome. A palindrome is a word, phrase, number, or other sequence of characters that reads the same forward and backward.

Write a recursive function to calculate the power of a number. The function should take two parameters: the base number and the exponent.

Create a recursive function to calculate the sum of the digits of a given number. For example, if the input is 123, the function should return 6 (1 + 2 + 3).