

## Assignment 17 – More on Recursion

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1. Write a recursive function to calculate the sum of first N natural numbers.
2. Write a recursive function to calculate the sum of first N odd natural numbers.
3. Write a recursive function to calculate the sum of first N even natural numbers.
4. Write a recursive function to calculate the sum of squares of first N natural numbers.
5. Write a recursive function to calculate the sum of digits of a given number.
6. Write a recursive function to calculate the factorial of a given number.
7. Write a recursive function to calculate the HCF (Highest Common Factor) of two numbers.
8. Write a recursive function to print the first N terms of the Fibonacci series.
9. Write a program in C to count the digits of a given number using recursion.
10. Write a program in C to calculate the power of any number using recursion.