



Assignment-4

Iterative Control Statements

C Programming

1. Write a program to calculate **sum of first N natural numbers**.
2. Write a program to calculate **sum of first N even natural numbers**.
3. Write a program to calculate **sum of first N odd natural numbers**.
4. Write a program to calculate **sum of squares of first N natural numbers**.
5. Write a program to calculate **sum of cubes of first N natural numbers**.
6. Write a program to calculate **factorial of a number**.
7. Write a program to **count digits in a given number**.
8. Write a program to check whether a given number is a **Prime number or not**.
9. Write a program to calculate **LCM of two numbers**.
10. Write a program to **reverse a given number**.
11. Write a program to find the **Nth term of the Fibonacci series**.
12. Write a program to print **first N terms of Fibonacci series**.
13. Write a program to check whether a given **number is there in the Fibonacci series or not**.
14. Write a program to calculate **HCF of two numbers**.
15. Write a program to check whether two given numbers are **co-prime numbers or not**.
16. Write a program to print **all Prime numbers under 150**.
17. Write a program to print all **Prime numbers between two given numbers**.
18. Write a program to find **next Prime number of a given number**.
19. Write a program to check whether a given number is an **Armstrong number or not**.
20. Write a program to print all **Armstrong numbers under 1000**.