1. Write a program to print numbers from **1 to 10** using a for loop.
2. Print numbers from **10 to 1** using a for loop.
3. Print all **even numbers** between 1 and 20.
4. Print all **odd numbers** between 1 and 20.
5. Print the **multiplication table of a number** (user input).
6. Print the **first N natural numbers**.
7. Print numbers from **1 to N** and their **squares**.
8. Print numbers from 1 to 50 that are **divisible by 5**.
9. Print all numbers between 1 and 100 that are **divisible by both 3 and 5**.
10. Find sum of numbers from 1 to N
11. Find factorial of a number
12. Find sum of even numbers between 1 and N
13. Find sum of odd numbers between 1 and N
14. Count even numbers between 1 and N
15. Count odd numbers between 1 and N
16. Count numbers divisible by 5 between 1 and N
17. Find sum of numbers divisible by 3 and 5 between 1 and N
18. Print multiplication table of a given number
19. Print tables from 1 to 5
20. Print tables from 1 to N
21. Print multiplication tables in reverse order
22. Print square of numbers from 1 to N
23. Print cube of numbers from 1 to N
24. Count number of digits in a number
25. Find sum of digits of a number
26. Find product of digits of a number
27. Check whether a number is prime
28. Print all prime numbers between 1 and N
29. Count prime numbers between 1 and N
30. Find sum of prime numbers between 1 and N
31. Print first N prime numbers
32. Find largest prime number less than N

33. Print first N Fibonacci numbers
34. Print Fibonacci numbers less than N
35. Find Nth Fibonacci number
36. Find sum of Fibonacci numbers up to N terms
37. Print even Fibonacci numbers up to N
38. Check whether a number is a Fibonacci number
39. Find factors of a number
40. Count factors of a number

Hard Level:

41. Check whether a number is Armstrong
42. Print Armstrong numbers between 1 and N
43. Find sum of digits raised to power of digit count
44. Find strongest number
45. Print numbers whose factorial digit sum equals number
46. Print numbers that are both prime and palindrome