

### Loop Practice Questions: Write using for and while loop both

1. Write a program in C to print the first N natural numbers.
2. Write a program in C to print the first N natural even number numbers.
3. Write a program in C to print the first N natural numbers divisible by 4.
4. Write a program in C to print the first N natural numbers divisible by 2 and 3 but not by 5.
5. Take N integers from keyboard using loop and print their average value on the screen.
6. Write a program in C to print the first N fibonacci numbers
7. Write a program in C to print the first N prime numbers
8. Write a program in C to print the first N numbers of the function  $f(n) = X^3 + x + 1$
9. Write a program in C to print the first N numbers of the function  $f(n) = X^3 + x + 1$
10. Write a C program to print multiplication table of first N numbers.
11. Write a C program to print multiplication table of first N even numbers.
12. Write a C program to count number of digits in a number.
13. Print multiplication table of 24, 50 and 29 using loop.
14. Write a C program to find first and last digit of a number.
15. Write a C program to swap first and last digits of a number.
16. Write a C program to calculate product of digits of a number.
17. Write a C program to find frequency of each digit in a given integer.
18. Write a C program to find power of a number using for loop.
19. Write a C program to find sum of all prime numbers between 1 to n.
20. Write a C program to check is sum of digit in the entered number is a perfect square or not.
21. Write a C program to print first N numbers such that if sum of digit in the entered number is a perfect square.
22. Write a C program to find one's complement of a binary number.
23. Write a C program to find two's complement of a binary number.
24. Write a C program to convert Binary to Octal number system.
25. Write a C program to convert Binary to Decimal number system.
26. Write a C program to convert Binary to Hexadecimal number system.
27. Write a C program to convert Octal to Binary number system.
28. Write a C program to convert Octal to Decimal number system.
29. Write a C program to convert Octal to Hexadecimal number system.
30. Write a C program to convert Decimal to Binary number system.
31. Write a C program to convert Decimal to Octal number system.
32. Write a C program to convert Decimal to Hexadecimal number system.
33. Write a C program to convert Hexadecimal to Binary number system.
34. Write a C program to convert Hexadecimal to Octal number system.
35. Write a C program to convert Hexadecimal to Decimal number system.
36. Solve as many pattern questions you can do.