



APPRENTICESHIP

SET 13 – C Programming Language

(For Loop)

1. Write program to print the numbers from 1 to n with a line after every 3 numbers.
2. Write a program to print the first N Fibonacci numbers.
3. Write a program to find whether a given no is prime or not
4. Write a program to Print the prime no up to n
5. Write a program to find the sum following series

$$1/1^2 + 1/2^2 + 1/3^2 + 1/4^2 + 1/5^2 + \dots + 1/n^2$$

6. Write a program to find the sum following series

$$1/2^2 + 1/4^2 + 1/6^2 + 1/8^2 + 1/10^2 + \dots + 1/n^2$$

7. Write a program to find the sum following series

$$3^1 + 3^2 + 3^3 + 3^4 + 3^5 + \dots + 3^n$$

8. Write a program to find the sum following series

$$1/1^2 + 1/1^2 + 1/2^2 + 1/3^2 + 1/5^2 + 1/8^2 + 1/13^2 + 1/21^2 + \dots$$

9. Write a program to find the sum following series

$$1! + 2! + 3! + \dots + n!$$

10. Write a program to find the sum following series

$$1 - 1/2 + 1/3 - 1/4 + 1/5 - 1/6 + \dots$$
