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C Programming Assignment on Looping (use any loop)

1. Display first N Odd numbers
2. Sum of first N natural numbers
3. Multiplication of first N even numbers
4. Find out factorial of N (factorial of 5 = $5 \times 4 \times 3 \times 2 \times 1 = 120$)
5. Find out first 5 numbers after 100 which are divisible by both 3 and 9
6. Find out leap year in between year 2000 and 2050
7. Find out Odd numbers within the given numbers and sum all of them
Example:
Enter the number: 29057
Even numbers are: 9, 5, 7
Sum of odd numbers: 21
8. Find largest digit of given integer number
9. Find out reverse of a given integer number
10. Convert a Decimal number into Binary number
11. Check the given number is Prime or not (first 100 prime number, between 100 to 200 prime numbers)
12. Check the given number is Armstrong no or not
Ex Input number: 153
 $1^3 + 5^3 + 3^3 = 153$ so the number is Armstrong number
13. Check the given number us Perfect no or not
Ex: Input: 123 Addition: $1+2+3=6$ Multiplication $1*2*3=6$
14. Write a C program for series $1-2+3-4+5-6+\dots+n$.
15. Write a C program for series $1^2+2^2+3^2+4^2+5^2+\dots+n^2$.