

Homework Questions Part 2

1. Write C code that will read the two sides of a rectangle and calculate its area and perimeter.
2. Write C code to find all the roots of a quadratic equation $ax^2+bx+c=0$.
3. Print Hello World 10 times
4. Write C code to find the sum of the first 50 natural numbers.
5. Write C code to calculate 2^4 .
6. Write C code to find LCM of two numbers.
7. Write C code to print all Prime numbers between 1 to n.
8. Write C code to find sum of all prime numbers between 1 to n.
9. Write C code to check whether a number is Armstrong number or not.
10. Write C code to print all Armstrong numbers between 1 to n.
11. Write C code to check whether a number is Perfect number or not.
12. Write C code to print all Perfect numbers between 1 to n.
13. Write C code to check whether a number is Strong number or not.
14. Write C code to print all Strong numbers between 1 to n.
15. Write C code to check Whether a Number is Palindrome or Not
16. Write C code to find the sum of the series $[1-X^2/2!+X^4/4!- \dots]$.
17. Write C code to display the n terms of harmonic series and their sum. $(1 + 1/2 + 1/3 + 1/4 + 1/5 \dots 1/n \text{ terms})$
18. Write C code to print the Floyd's Triangle.
1
01
101
0101
10101
19. Write C code to display the sum of the series $[1+x+x^2/2!+x^3/3!+\dots]$.
20. Write C code to find the sum of the series $[x - x^3 + x^5 + \dots]$.
21. Write C code to find the sum of the series $1 + 11 + 111 + 1111 + \dots n \text{ terms}$
22. Write C code to find the number and sum of all integer between 100 and 200 which are divisible by 9.
23. Write C code to convert a decimal number into binary without using an array.
24. Write C code to convert a binary number into a decimal number without using array, function and while loop.
25. Write C code to print Pascal triangle upto n rows.