Homework Questions Part 2

1. Write an algorithm and draw a flowchart that will read the two sides of a rectangle and calculate its area and perimeter.

2. Draw a flowchart to find all the roots of a quadratic equation $ax2+bx+c=0$.

3. Print Hello World 10 times

4. Draw a flowchart to find the sum of the first 50 natural numbers.

5. Write an algorithm and draw a flowchart to calculate $2^{4.}$

6. Draw a flow chart to find LCM of two numbers.

7. Draw a flow chart to print all Prime numbers between 1 to n.

8. Draw a flow chart to find sum of all prime numbers between 1 to n.

9. Draw a flow chart to check whether a number is Armstrong number or not.

10. Draw a flow chart to print all Armstrong numbers between 1 to n.

11. Draw a flow chart to check whether a number is Perfect number or not.

12. Draw a flow chart to print all Perfect numbers between 1 to n.

13. Draw a flow chart to check whether a number is Strong number or not.

14. Draw a flow chart to print all Strong numbers between 1 to n.

15. Draw a flow chart to check Whether a Number is Palindrome or Not

16. Draw a flow chart to find the sum of the series [$1-X^2/2!+X^4/4!-$ ....].

17. Draw a flow chart to display the n terms of harmonic series and their sum. (1 + 1/2 + 1/3 + 1/4 + 1/5 ... 1/n terms)

18. Draw a flow chart to print the Floyd's Triangle.

    1
    01
    101
    0101
    10101

19. Draw a flow chart to display the sum of the series [$1+x+x^2/2!+x^3/3!+$....].

20. Draw a flow chart to find the sum of the series [$x - x^3 + x^5 +$ ......].

21. Draw a flow chart to find the sum of the series 1 +11 + 111 + 1111 + .. n terms

22. Draw a flow chart to find the number and sum of all integer between 100 and 200 which are divisible by 9.

23. Draw a flow chart to convert a decimal number into binary without using an array.

24. Draw a flow chart to convert a binary number into a decimal number without using array, function and while loop.

25. Draw a flow chart to print Pascal triangle upto n rows.