**Create flowchart and pseudocode for the following:**

1. Input a year and find whether it is a leap year or not.
2. Take two numbers and print the sum of both.
3. Take a number as input and print the multiplication table for it.
4. Take 2 numbers as inputs and find their HCF and LCM.
5. Keep taking numbers as inputs till the user enters ‘x’, after that print sum of all.

**Write Java programs for the following:**

1. Write a program to print whether a number is even or odd, also take input from the user.
2. Take name as input and print a greeting message for that particular name.
3. Write a program to input principal, time, and rate (P, T, R) from the user and find Simple Interest.
4. Take in two numbers and an operator (+, -, \*, /) and calculate the value. (Use if conditions)
5. Take 2 numbers as input and print the largest number.
6. Input currency in rupees and output in USD.
7. To calculate Fibonacci Series up to n numbers.
8. To find out whether the given String is Palindrome or not.
9. To find Armstrong Number between two given number.

## Write Java programs for the following:

### Basic Java Programs

1. Area Of Circle Java Program

2. Area Of Triangle

3. Area Of Rectangle Program

4. Area Of Isosceles Triangle

5. Area Of Parallelogram

6. Area Of Rhombus

7. Area Of Equilateral Triangle

8. Perimeter Of Circle

9. Perimeter Of Equilateral Triangle

10. Perimeter Of Parallelogram

11. Perimeter Of Rectangle

12. Perimeter Of Square

13. Perimeter Of Rhombus

14. Volume Of Cone Java Program

15. Volume Of Prism

16. Volume Of Cylinder

17. Volume Of Sphere

18. Volume Of Pyramid

19. Curved Surface Area Of Cylinder

20. Total Surface Area Of Cube

21. Fibonacci Series In Java Programs

22. [Subtract the Product and Sum of Digits of an Integer](https://leetcode.com/problems/subtract-the-product-and-sum-of-digits-of-an-integer/)

23. Input a number and print all the factors of that number (use loops).

24. Take integer inputs till the user enters 0 and print the sum of all numbers

(HINT: while loop)

25. Take integer inputs till the user enters 0 and print the largest number from

all.

26. Addition Of Two Numbers

### Intermediate Java Programs

1. Factorial Program In Java

2. Calculate Electricity Bill

3. Calculate Average Of N Numbers

4. Calculate Discount Of Product

5. Calculate Distance Between Two Points

6. Calculate Commission Percentage

7. Power In Java

8. Calculate Depreciation of Value

9. Calculate Batting Average

10. Calculate CGPA Java Program

11. Compound Interest Java Program

12. Calculate Average Marks

13. Sum Of N Numbers

14. Armstrong Number In Java

15. Find Ncr & Npr

16. Reverse A String In Java

17. Find if a number is palindrome or not

18. Future Investment Value

19. HCF Of Two Numbers Program

20. LCM Of Two Numbers

21. Java Program Vowel Or Consonant

22. Perfect Number In Java

23. Check Leap Year Or Not

24. Sum Of A Digits Of Number

25. Kunal is allowed to go out with his friends only on the even days of a given month. Write a program to count the number of days he can go out in the month of August.

26. Write a program to print the sum of negative numbers, sum of positive even numbers and the sum of positive odd numbers from a list of numbers (N) entered by the user. The list terminates when the user enters a zero.