**ALGO TASK Week 1**

Note: Try to do the question first yourself ( jab tak haar na mano ) per question, if you are not able then refer to the solution on the link itself or from youtube.

1. [Write a C program to check whether a number is even or odd.](https://codeforwin.org/2015/05/c-program-to-check-even-odd.html)
2. [Write a C program to find the maximum between two numbers.](https://codeforwin.org/2015/05/c-program-to-find-maximum-between-two-numbers.html)
3. [Write a C program to find the maximum between three numbers.](https://codeforwin.org/2015/05/c-program-to-find-maximum.html)
4. [Write a C program to check whether a year is a leap year or not.](https://codeforwin.org/2015/05/c-program-to-check-leap-year.html)
5. [Write a C program to input any character and check whether it is alphabet, digit or special character.](https://codeforwin.org/2015/05/c-program-to-check-alphabet-digit-special-character.html)
6. [Write a C program to input week number and print week day](https://codeforwin.org/2015/05/c-program-to-print-week-name.html).
7. [Write a C program to count the total number of notes in a given amount](https://codeforwin.org/2015/07/c-program-to-count-total-number-of-notes.html). (IMPORTANT)
8. [Write a C program to find all roots of a quadratic equation](https://codeforwin.org/2016/04/c-program-to-find-all-roots-of-quadratic-equation.html).
9. [Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:](https://codeforwin.org/2015/05/c-program-to-enter-student-marks-and-calculate-percentage-and-grade.html)Percentage >= 90% : Grade A  
   Percentage >= 80% : Grade B  
   Percentage >= 70% : Grade C  
   Percentage >= 60% : Grade D  
   Percentage >= 40% : Grade E  
   Percentage < 40% : Grade F
10. [Write a C program to input basic salary of an employee and calculate its Gross salary according to following:](https://codeforwin.org/2015/05/c-program-to-calculate-gross-salary-of-employee.html)Basic Salary <= 10000 : HRA = 20%, DA = 80%  
    Basic Salary <= 20000 : HRA = 25%, DA = 90%  
    Basic Salary > 20000 : HRA = 30%, DA = 95%

**For CS students** : You know the basics, but other solutions also exist like for the 1st question, it can be calculated fast from the % operator [Hint - bitwise].[ For a question, If another solution exists, see that.]