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## List of Practicals- Class XI (Computer Science)

Write C++ program to

1. Check whether a given no. is even or odd.
2. Calculate percentage of a student and print his/her division.
3. Perform addition, subtraction, multiplication or division on two numbers depending on user's choice.
4. Print the following series - 10 15 22 31 42 55 ..... n terms.
5. Print the following series - 1 1 2 3 5 8 13 21 ..... n terms.
6. Print the sum of following series -  $1 + 3 + 5 + 7 + 9 + \dots$  n terms.
7. Print the sum of following series -  $1 + 1 + \frac{1}{2!} + \frac{1}{3!} + \frac{1}{4!} + \dots$  n terms.
8. Calculate HCF of two numbers.

9. Calculate LCM of two numbers.
10. Check whether a given no. is prime or not.
11. Print the following pattern-  
A  
A B  
A B C  
A B C D
12. Print the following pattern-  
A  
B C  
D E F  
G H I J
13. Find the smallest no. in an array.
14. Search a no. in an array.

15. Count the no. of vowels in a string.
16. Check whether a given string is palindrome or not.
17. Print the row-wise sum of a matrix.
18. Print the column-wise sum of a matrix.
19. Print the diagonal elements of a matrix.
20. Print the transpose of a matrix.
21. Add two matrices.
22. Calculate area and circumference of a circle using single function. (using call by reference)
23. Calculating square of a number without supplying any parameter/argument to a function. (using global variable)
24. Calculating no. of calls of a function within itself. (using static variable)
25. Add two distances given in foot and inches using structure.