

## Programming Problem list

1. write a C Program to add two matrices .
2. Write a program to need a matrix of size  $m*n$  and print to transpose .
3. Write a program that will count the number of occurrences of specified character in a given line of test .
4. Write a C program to check whether a string is a palindrome or not
5. write a C program for bubble sort (Ascending or Descending order ) .
6. write a C programming for binary search
7. write a C programming for linear search .
8. Write a C Program to print Fibonacci series.
9. Write a C program to print a full pyramid using star.
10. Write a C program to find GCD of two numbers using recursion.
11. Write a C Program to find LCM of two numbers .
12. Write a C Program for factorial using recursion.
13. Write a C Program to find reverse of a number .
14. Write a C program to compute the value of Euler's number that is used as the base of natural logarithms . Using the following formula  $e = 1 + 1/1! + 1/2! + 1/3! + \dots + 1/n!$
15. Write a C program using recursive function calls to evaluate  
 $F(x) = x - x^3/3! + x^5/5! - x^7/7! + \dots$
16. Given a string `//char str[] = "1234567889"` ;  
write a program that displays the following .

```
1
2 3 2
3 4 5 4 3
4 5 6 7 6 5 4
5 6 7 8 9 8 7 6 5
```

17. write a C program to find a digit (first , last , min , max ) from an array .
- 18 . Write a C program to check whether a character is a vowel or not .
- 19 . write a C program to print all prime number numbers in a given range using a function .
- 20 . write a C program to multiply two number using plus operator .
21. write a C program to find sum of Series :  $1^2 + 2^2 + 3^2 + 4^2 + \dots + N^2$
22. Write a C program to swap two numbers without third variable