**LIST OF EXPERIMENTS**

1. Write a C++ program (without class) to find the Day if DOB is given.
2. Write a C++ program using function to find a factorial of any number n.
3. Write a C++ Program to calculate or find or check any 2 logical related problem (ex. Leap year, Quadratic eq., Area….) using class.
4. Write C++ program to demo constructor (default, parameterized constructor, copy constructor) and destructor.
5. Write a C++ program to overload & without overload the operators +,-,\*,/,+=,-=,\*=,/= for complex numbers.
6. Write a C++ program for nested class.
7. Write a C++ Program to demonstrate the DMA (1D – int and string) using constructor and destructor.
8. Write a C++ Program to demonstrate the DMA (2D – Matrix problems) using constructor and destructor.
9. Addition of two measurement values in feet, inch also do the same thing using operator overload.
10. Overload operator ++, -- i.e. pre and post.
11. Overload operator – to change the sign.
12. Overload Operator +(string concatenation) , - , < ,> == (String Comparison)for string operations.
13. Write a C++ for friend function to calculate the total income of a home (Father’s income & mother’s income).
14. Write a C++ program to overload unary (pre, post), binary operators using friend function.
15. Write a C++ program to demo inline function.
16. Write a C++ to demo Dynamic memory allocation i.e. (new and delete).
17. Write a C++ program to function overloading without using class.
18. Give your project title that you want to do using c++ today positively (no repeat topics are allowed fcfs technique) inform either directly or send me mail.
19. Write a C++ code to implement Virtual function.
20. Write a C++ code to implement pure virtual function.
21. Write a C++ code to draw different figures using pure virtual function.(simple as well as using graphics )
22. Write a function template and class template to sort n number of elements.
23. Write a function template to swapping of two numbers.
24. Write a class template for stack implementation.
25. Write a C++ code to handle the error when we divide a number and a number is zero using exception handling.
26. Write a exception handling code when we throw an exception and exception may be either integer or float or char.
27. Write a exception handling code when we use a function.
28. Write a different function implementation of unformatted I/O.
29. Write a different function implementation of formatted I/O.
30. Write a different function implementation of manipulator.
31. Write a C++ code to create user defined manipulator (without and with argument)
32. Overload >> to read and << to write objects.
33. Write a C++ program to create a “student.in” file to store the basic information of n number of students. (using constructor and open function)
34. Write a C++ program to read the students information from “student.in” file.
35. Write a C++ program to read the students information from “student.in” and copy those records into another file “student.out” whose names are started with vowel.
36. Write a C++ program to demonstrate the different file manipulation functions. (seekg,tellg,seekp,tellp).
37. Write a command line argument program to copy content of a file to another file.
38. Write a command line argument program to count the number of words or characters in a file.
39. Write a C++ program to demonstrate the different file functions:
40. eof(),
41. good(),
42. bad(),
43. fail().