1. Write a c++ program to perform addition of two number using class and object.
2. Write a program to input 20 arbitrary numbers in one-dimensional array. Calculate Frequency of each number. Print the number and its frequency in a tabular form.
3. Write a c++ program to perform addition of two number using function.
4. Write a C++ program for dynamic initialization of variable.
5. Write a C++ Program that uses a class where the member functions are defined inside the class.
6. Write a program that uses a class where the member functions are defined outside a class.
7. Write a c++ program to calculate simple interest using function.
8. Write a c++ program to calculate simple interest using class and object.
9. Write a c++ program to print weekday using if else statement.
10. Write a c++ program to print weekday using switch statement.
11. Write a c++ program to design simple calculator to perform arithmetic operation.
12. Write a c++ program to design mark sheet of 1stSEM.
13. Write a c++ program to print weekday using enum.
14. Write a c++ program to find largest number using conditional operator.
15. Write a c++ program to find the greatest number of three using goto statement.
16. Write a c++ program to find the greatest number of three using switch statement.
17. Write a c++ program to print table of two using goto statement.
18. Write a c++ program to find winner of candidate for election.
19. Write a c++ program to check whether given no. is prime or not.
20. Write a program to evaluate the sum of 1+2+3+…………..+n while loop.
21.
22. Write a c++ program to generate 3x3 matrix.
23. Write a c++ program for addition of 3x3 matrix.
24. Write a c++ program to implement a student class having name, roll no, rank, address as data members.
25. Write a c++ program to implement sphere class to find surface area and volume.
26. Write a c++ program to perform following without using library function:
    A.to reverse the string accepted as argument.
    B.to count the number of characters in string passes as argument in the form of char array.
27. Write a c++ program to perform following without using library function:
    A.to copy one string into another passed as argument in the form of char array.
    B.to count the number of consonants, vowels in each word of sentence passed as argument in the form of char array.
28. Write a c++ program to exchange the content of variable using call by reference.
29. Write a c++ program to exchange the content of variable using call by value.
30. Write a c++ program to sort the integer array.
31. Write a c++ program to take data input from user and sort it in ascending order after sorting using function.
32. Write a program to input name, address and telephone number of 'n' persons (n<=20). Sort according to the name as a primary key and address as the secondary key. Print the sorted telephone directory.
33. Write a c++ program to search the second largest element in an array.
34. Write a c++ program to search the second smallest array in an array.
35. Write a c++ program to demonstrate static data member.
36. Write a c++ program to demonstrate constructor with default argument.
37. Write a c++ program to demonstrate destructor in inheritance.

38. Write a c++ program to generate transpose of 3x3 matrix.
39. Write a program having pointer to void to store address of integer variable then print value of integer variable using pointer to void. Perform the same operation for float variable.
40. Write a c++ program to create class complex having data members to store real and imaginary part to perform following operation:
    A. add 2 complex numbers
    B. subtract 2 complex numbers.
41. Create class polar having data member radius and angle it contains member function for taking the input in data member and member function for displaying values of data members. It contains declaration of friend function which accept 2 objects of class polar and returns object of class polar after addition.
42. Create class polar having data member radius and angle it contains member function for taking the input in data member and member function for displaying values of data members. It contains declaration of friend function which accept 2 objects of class polar and returns object of class polar after addition.
43. Write a c++ program to read data on an employee and compute the net salary of each employee DA=42 % of basic and income tax=30% of the gross salary.
44. Write a c++ program to evaluate the sum of series 1+2+....n using while loop.
45. Write a c++ program to find roots of quadratic equation.
46. Write a C++ program to create class mother having data member to store salary of mother, create another class father to store salary of father. use friend function which accept object of father and mother and print salary of mother and father.
47. Write a C++ program using class which uses static overloaded function to swap 2 integers,2 float method using reference variable.
48. Write a C++ program using class which uses static overloaded function to swap 2 integers,2 float method using passing by address.
49. Write a c++ program to create class string having pointer to char as data member and provide following facilities: a. overloaded operators to '+' to add two string object.

        b. overloaded operator '=' to assign string object to another string object.

50. Write a c++ program to find the biggest of 3 number using pointer and function.
51. Write a c++ program to create inline function to calculate area of circle.
52. Write a c++ program to create inline function to take 2 arguments and should return the minimum values.
53. Write a c++ program to calculate factorial of number using copy constructor.
54. Write a c++ program to copy content of one file into another after removing extra spaces between word and name of file should come from command line argument.
55. Write a c++ program to demonstrate virtual function.
56. Write a c++ program to demonstrate pure virtual function.