**LIST I C++ Program List**

1. **Write a program in c++ to find the sum of diagonals, rows and columns of a given matrix.**
2. **Write a program in c++ to implement circular queue.**
3. **Write a program in c++ to implement stack using linked list.**

**Q4. Write a c++ program to sum the sequence: -x -(x2/2!) + (x4/4!) -(x6/6!) + .......**

**Q5. Write a program in c++ to implement random() function**

**Q6. Write a program to find the LCM and GCD of two numbers.**

Q7. Write a program in c++ to check if the entered number is prime or not.

Q8. Program to perform the Number system conversions using User Define Function

Q9. Write a program in c++ to store and display the data of Library book like Book name, Author and Price.

**Q10. Write a program to compute tax of a person using a class taxpayer. Class taxpayer should the person's details of account including pan no.**

**Q11. Write a c++ program using a class student to calculate the percentage of marks obtained by him.**

**Q12. Write a program that reversing each word and whole sentence input by user**

**Q13. Insertion and deletion of an element from array**

**Q14. multiply matrices (two dimensional array), entered by the user. Firstly user will enter the order of a matrix. If the entered orders of two matrix is such that they can't be multiplied then an error message is displayed on the screen**

**Q15**. WAP to search an element of an array using linear search approach.

**Q16.** WAP to search an element of an array using User Define function & Binary search approach.

Q17. WAP that demonstrate Insertion Sort in Array elements.

Q18. WAP that demonstrate Selection Sort in Array elements

Q19. WAP that demonstrate Bubble Sort in array elements

Q20. WAP that demonstrate Merge of Two Arrays

Q21.WAP to Define a Class Student and accessing member function using its object

Q22. WAP of Multiple Inheritance

Q23. WAP of Multilevel Inheritance

Q24. Wap to implement queue as an array

Q25. Wap to implement stack as a linked list

Q26. File Handling Program

Wap to create a text file to input roll no. and marks of ten students and display them on screen after reading from the text file using data file handling.

/\* Wap in c++ to create a binary file and write objects of class BOOK to it and display them on screen after reading from the file. \*/

**SQL Queries – 15 SQL Queries**

**LIST-II OF C++ PROGRAME**

1. Hello world

2. Print Integer

3. Addition

4. Odd or Even

5. Add, subtract, multiply and divide

6. Check vowel

7. Leap year

8. Add digits

9. Factorial

10. HCF and LCM

11. Decimal to binary conversion

12. ncR and nPr

13. Add n numbers

14. Swapping

15. Reverse number

16. Palindrome number

17. Print Pattern

18. Prime numbers

19. Find armstrong number

20. Generate armstrong number

21. Fibonacci series

22. Print floyd's triangle

23. Print pascal triangle

24. Maximum element in array

25. Minimum element in array

26. Linear search

27. Binary search

28. Reverse array

29. Insert element in array

30. Delete element from array

31. Merge arrays

32. Bubble sort

33. Insertion sort

34. Selection sort

35. Add matrices

36. Subtract matrices

37. Transpose matrix

38. Multiply two matrices

39. Print string

40. String length

41. Find palindrome

42. Delete vowels

43. Remove spaces

44. Swap strings

45. Character's frequency

46. Anagrams

47. Random numbers