

## Lab Assignment

1. Write a program to find the sum of a series from command prompt.
2. Write a program to implement your own namespace.
3. Write a program to find out the addition of all numbers and the concatenation of all strings from the text "12 ICT 6 Dept 9".
4. Write a program to read only the double number from a text file.
5. Write a program to read only the integer number from a text file.
6. Write a program to read only the numbers greater than 100 from a text file.
7. Write a program to read only the word starting with vowels from a text file.
8. Write a program to round a number with specific places. For example, 5.78 would be 5.8.
9. Write a program to delete the character 'S or s' in a text file.

10. Write a program to delete the word 'am' in a text file.
11. Write a program to replace the character 'S' with 'I' in a text file.
12. Write a program to insert the word 'Hey!' at the beginning of each sentence in a text file.
13. Write a program to copy a file from one to another.
14. Write a program to copy the entire file into a single string object.
15. Write a program to read a text file using eof() function.
16. Create a program that opens a file and counts the white space separated words in that file.
17. Create a program that counts the occurrence of a particular word in a file (use the stringclass" operator „==" to find the word).
18. Display a file a line at a time, waiting for the user to press the "Enter" key after each line.
19. Write a program to implement the set and get methods using days, months, and years.
20. Write a program to print the current date and time in different formats.
21. Write a program to create a class and object.

22. Write a program to implement friend function.
23. Write a program to pass objects to functions.
24. Write a program to pass array of values to a functions.
25. Write a program to pass reference to functions.
26. Write a program to find the sum, average, maximum, and minimum from a list.
27. Use four functions to solve the problem 26.
28. Use the OOP to solve problem 27.
29. Write a program to get the movie name, the price of an adult ticket price, the price of a child ticket price, the number of adult tickets sold, and the number of child tickets sold.
30. Write a program that prompts the user to enter a person's date of birth in numeric form such as 8-27-1980. The program then outputs the date of birth in the form: August 27, 1980. Your program must contain at least two exception classes: invalidDay and invalidMonth. If the user enters an invalid value for day, then the program should throw and catch an invalidDay object. Similar conventions for the invalid values of month and year. (Note that your program must handle a leap year.)

31. Write a program to demonstrate a friend class.
32. Write a program to demonstrate a global friend.
33. Write a program to demonstrate the visibility of inherited members.
34. Write a program to demonstrate the ambiguity resolution in inheritance.
35. Write a program to demonstrate different types of inheritance.
36. Write a program to demonstrate function overloading and overriding.
37. Write a program to demonstrate constructor overloading and overriding.
38. Write a program to demonstrate operator overloading.
39. Write a program to demonstrate the virtual function.
40. Write a program to demonstrate inline function.