**07-04-2021 Lab Exercises**

1. Create a class to create a stack with push and pop operations. Also find out the largest element present in the stack by overloading > operator.
2. Create a class for Binary Search Tree with suitable member functions for insertion, deletion and search. Also implement preorder, in order and post order traversals for the search tree constructed. (Use Header, implementation and main as three different files)
3. Write a C++ program to create a sorted list with insertion, deletion, update and search operations by overloading the () operator for search operator.
4. Write a C++ program to create a Car class consisting of Wheels, Engine, Gearbox as components. Each of the component specified above is a class having its own properties. Display the Car object with all its components using Object Composition.
5. Write a program to input an array of strings. Then reverse the string in the following format:
   1. INPUT: Happy Birthday To You
   2. Output: You To Birthday Happy
6. Write a C ++ program to accept a string consisting of ten words atleast. Then convert the initial letter of each word into Captial(InitCaps)
7. Write a C++ program to simulate the Find and Replace option of Word document in a given text (Input should be a minimum of 4-5 lines).
8. Create a Queue with proper Enqueue and Dequeue operations as member functions. Overload the [] operator to find out the duplicate element present in the queue.