OBJECT ORIENTED PROGRAMMING

ASSIGNMENT NO: 7

Using standard template library (STL) list container implement following member functions of list class: empty, insert, reverse, sort, Unique, using interator.

Theory:-

The Standard Template Library (STL) is a set of C++ template classes to provide common programming data structures and functions such as lists, stacks, arrays, etc. It is a library of container classes, algorithms, and iterators. It is a generalized library and so, its components are parameterized. A working knowledge of [template classes](https://www.geeksforgeeks.org/templates-cpp/) is a prerequisite for working with STL.

Output:-

Add at the back

1

2

3

4

5

0 0 0 1 2 3 4 5  0 0 0 0 0 6 7 8 9 10

Sort list1 and list2

0 0 0 1 2 3 4 5  0 0 0 0 0 6 7 8 9 10

Merge two lists

0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 10

Add at the front

6

7

8

9

10

10 9 8 7 6 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 10  15 14 13 12 11