**ASSIGNMENT NO: 7**

**PROBLEM STATEMENT:**

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

**AIM OF ASSIGNMENT:**

C++ Program to implement and understand the concepts of list container. Include the list and iterator class, to use member function of list.

**DESCRIPTION:**

In this program, firstly we included the list and iterator class. We created two objects of list class (g & l1) and defined a function to display the list using iterator. We used member functions like begin(), end(), empty(), push\_back(), pop\_front(), front(), back(), reverse(), sort(), unique().

**OOP CONCEPT USED:**

* list class
* iterator class
* member functions of list class
* user defined functions.

**CONCLUSION:**

Hence, we learnt the concept of list for storing the data. It flows random access to data which was not in the case of array.