**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:**

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.We learned list and iterator class and also how they are implemented.