**ASSIGNMENT: NUMBER** 6

**PROBLEM STATEMENT:** Create a class template to represent a generic vector. Include following member functions:

1. To create the vector.
2. To modify the value of a given element.
3. To multiply by a scalar value.
4. To display the vector in the form (10, 20, 30…)

**AIM OF ASSIGNMENT:** C++ Program to implement and understand the concepts of vector container. Include the vector class, to use its member function.

**DESCRIPTION:** In this program, firstly we included the vector class. We defined a function to display the vector. By creating an object of the vector class, we used member functions like v.insert(), v.erase(). We also created an iterator to point to the elements of the vector. We performed operations on vector like modifying it and multiplying it by a scalar quantity.

**OOP CONCEPT USED:**

* vector class
* member functions of vector class
* User defined functions.

**CONCLUSION:**

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