Summary of removing elements:

1. Vector or deque: algorithm remove() followed by erase().
2. List: member function remove().
3. Associative Container or Unordered container: erase()
4. Sequence container and unordered container: it = c.erase(itr);
5. Associative container: c.erase(it++).

Input/ Output Stream:

**cout**: a global object of ostream (typedef basic\_ostream<char> ostream)

**<<**: member function of ostream and its signature is like

**ostream& ostream::operator<<(string v);**

What is stream? serial IO interface to external devices (file,stdin/stdout, network, etc.).

String s(”Hello”)---> this provides the random access and we can do something like

S[3]=’t’;

But cout[3]=’t’; **error**

Some of the stream like file stream provides some type of random access.

{

Ofstream of(”myLog.txt”); Creates a new file for write if file didn’t exist.

of<<”name of file is mylog.txt”<<endl;

of<<234<<endl;

of<<2.4<<endl;

} // RAII

It provides a convenient way to formatting the data and communicating the data with external devices.

//Software Engineering principle: low coupling ->Reusability.