

Defining a simple C++ forward iterator

Iterator: An object that allows a program to sequentially visit (iterate) all the elements of a container.

i. Inside the *container* class create a nested **Iterator** class with the following methods:

- **Iterator(...)** // *Constructor*
- **T operator*() const** // *Dereference operator*
- **void operator++()** // *Pre-increment operator*
- **bool operator!=(
const Iterator& other) const** // *Inequality operator*

ii. Add the following methods to the *container* class:

- **Iterator begin() const** // *“Pointer” to the start of the collection*
- **Iterator end() const** // *“Pointer” to the end of the collection*