

```
1 #include "IntVectorIterator.h"
2 #include "IntVector.h"
3
4 #include <iostream>
5
6 using namespace std;
7
8 IntVectorIterator::IntVectorIterator(const IntVector& aContainer, size_t  ➤
    aStart) : fContainer(aContainer), fPosition(aStart)
9 {
10
11 }
12
13 const int IntVectorIterator::operator*() const
14 {
15     return fContainer[fPosition];
16 }
17
18 IntVectorIterator& IntVectorIterator::operator++()
19 {
20     fPosition++;
21     return *this;
22 }
23
24 IntVectorIterator IntVectorIterator::operator++(int)
25 {
26     IntVectorIterator old = *this;
27     ++(*this);
28     return old;
29 }
30
31 bool IntVectorIterator::operator==(const IntVectorIterator& aRHS) const
32 {
33     return
34         &fContainer == &aRHS.fContainer &&
35         fPosition == aRHS.fPosition;
36 }
37 bool IntVectorIterator::operator!=(const IntVectorIterator& aRHS) const
38 {
39     return !(*this == aRHS);
40 }
41
42 IntVectorIterator IntVectorIterator::begin() const
43 {
44     IntVectorIterator iter = *this;
45     iter.fPosition = 0;
46     iter.operator++();
47     return iter;
48 }
49
50 IntVectorIterator IntVectorIterator::end() const
51 {
52     IntVectorIterator iter = *this;
```