```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 */
#include <set>
#include <iostream>
int main()
    // type of the collection
    typedef std::set<int> IntSet;
    IntSet coll;
                            // set container for int values
    // insert elements from 1 to 6 in arbitrary order // - note that there are two calls of insert() with value 1 \,
    coll.insert(3);
    coll.insert(1);
    coll. insert (5):
    coll.insert(4);
    coll.insert(1);
    coll. insert (6);
    coll.insert(2);
    // print all elements
    // - iterate over all elements
    IntSet::const_iterator pos;
    for (pos = coll.begin(); pos != coll.end(); ++pos) {
   std::cout << *pos << ' ';</pre>
    std::cout << std::endl;</pre>
```