

```

/* The following code example is taken from the book
 * "The C++ Standard Library – A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <iostream>
#include <vector>
#include <algorithm>
using namespace std;

int main()
{
    vector<int> coll1;    // empty collection
    vector<int> coll2;    // empty collection

    /* RUNTIME ERROR:
     * – beginning is behind the end of the range
     */
    vector<int>::iterator pos = coll1.begin();
    reverse (++pos, coll1.end());

    // insert elements from 1 to 9 into coll2
    for (int i=1; i<=9; ++i) {
        coll2.push_back (i);
    }

    /* RUNTIME ERROR:
     * – overwriting nonexistent elements
     */
    copy (coll2.begin(), coll2.end(),    // source
          coll1.begin());                // destination

    /* RUNTIME ERROR:
     * – collections mistaken
     * – begin() and end() mistaken
     */
    copy (coll1.begin(), coll2.end(),    // source
          coll1.end());                  // destination
}

```