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/* 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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <vector>
#include <algorithm>
#include <iostream>
using namespace std;
// simple function object that prints the passed argument
class PrintInt {
  public:
    void operator() (int elem) const {
   cout << elem << '';</pre>
};
int main()
     vector(int) coll:
     // insert elements from 1 to 9
     for (int i=1; i<=9; ++i) {
         coll.push back(i);
     // print all elements
     for_each (coll.cbegin(), coll.cend(), // range
                                                     // operation
                 PrintInt());
     cout << endl;
```