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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 "algostuff.hpp"
using namespace std;
int main()
    list(int) coll;
     INSERT ELEMENTS (col1, 1, 9);
    PRINT ELEMENTS (coll);
    // check existence of element with value 5
    if (binary_search(coll.cbegin(), coll.cend(), 5)) {
   cout << "5 is present" << endl;</pre>
    else {
         cout << "5 is not present" << endl;</pre>
    // check existence of element with value 42
    if (binary_search(coll.cbegin(), coll.cend(), 42)) {
         cout \langle \overline{\langle} "42 \text{ is present}" \langle \langle \text{ endl};
    else {
         cout << "42 is not present" << endl;</pre>
}
```