

```

/* 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 <iostream>
#include <algorithm>
#include <locale>
#include <string>
using namespace std;

char myToupper (char c)
{
    std::locale loc;
    return std::use_facet<std::ctype<char> >(loc).toupper(c);
}

int main()
{
    string s("Internationalization");
    string sub("Nation");

    // search substring case insensitive
    string::iterator pos;
    pos = search (s.begin(), s.end(),           // string to search in
                  sub.begin(), sub.end(),       // substring to search
                  [] (char c1, char c2) {      // compar. criterion
                      return myToupper(c1)==myToupper(c2);
                  });
    if (pos != s.end()) {
        cout << "\"" << sub << "\" is part of \"" << s << "\""
              << endl;
    }
}

```