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

int main()
{
    // create a string
    string s("The zip code of Hondelage in Germany is 38108");
    cout << "original: " << s << endl;

    // lowercase all characters
    transform (s.begin(), s.end(),          // source
               s.begin(),                   // destination
               tolower);                   // operation
    cout << "lowered: " << s << endl;

    // uppercase all characters
    transform (s.begin(), s.end(),          // source
               s.begin(),                   // destination
               toupper);                   // operation
    cout << "uppered: " << s << endl;
}

```