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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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 */
#include <locale>
#include <chrono>
#include <ctime>
#include <iostream>
#include <exception>
#include <cstdlib>
using namespace std;

int main ()
{
    try {
        // print floating-point value with the global classic locale:
        locale locC;
        cout.imbue(locC);
        use_facet<num_put<char>>(locC).put (cout, cout, ' ',
                                           1234.5678);

        cout << endl;

        // print floating-point value with German locale:
#ifdef _MSC_VER
        locale locG("deu_deu.1252");
#else
        locale locG("de_DE");
#endif
        cout.imbue(locG);
        use_facet<num_put<char>>(locG).put (cout, cout, ' ',
                                           1234.5678);

        cout << endl;
    }
    catch (const std::exception& e) {
        cerr << "Exception: " << e.what() << endl;
        return EXIT_FAILURE;
    }
}

```