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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 <iostream>
#include <fstream>
using namespace std;

int main()
{
    // stream for hexadecimal standard output
    ostream hexout(cout.rdbuf());
    hexout.setf (ios::hex, ios::basefield);
    hexout.setf (ios::showbase);

    // switch between decimal and hexadecimal output
    hexout << "hexout: " << 177 << " ";
    cout    << "cout: "    << 177 << " ";
    hexout << "hexout: " << -49 << " ";
    cout    << "cout: "    << -49 << " ";
    hexout << endl;
}

```