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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 <iostream>
#include <sstream>
#include <bitset>
using namespace std;

int main()
{
    ostringstream os;

    // decimal and hexadecimal value
    os << "dec: " << 15 << hex << " hex: " << 15 << endl;
    cout << os.str() << endl;

    // append floating value and bitset
    bitset<15> b(5789);
    os << "float: " << 4.67 << " bitset: " << b << endl;

    // overwrite with octal value
    os.seekp(0);
    os << "oct: " << oct << 15;
    cout << os.str() << endl;
}

```