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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>
void hexMultiplicationTable (std::streambuf* buffer, int num)
    std::ostream hexout(buffer);
    hexout << std::hex << std::showbase;</pre>
    for (int i=1; i<=num; ++i) {
        for (int j=1; j<=10; ++j) {
    hexout << i*j << '';
        hexout << std::endl;</pre>
}
    // does NOT close buffer
int main()
    using namespace std;
    int num = 5;
    cout << "We print " << num</pre>
          << " lines hexadecimal" << endl;</pre>
    hexMultiplicationTable(cout.rdbuf(), num);
    }
```