```
/* 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 <bitset>
#include <iostream>
#include <string>
#include <limits>
using namespace std;
int main()
     // print some numbers in binary representation cout << "267 as binary short: " \!\!\!\!
           << bitset<numeric limits<unsigned short>::digits>(267)
           << endl:
     cout << "267 as binary long:
           << bitset<numeric_limits<unsigned long>::digits>(267)
           \langle \langle \text{ end1} :
     cout << "10,000,000 with 24 bits: "
           \langle\langle \text{bitset}\langle 24\rangle(1\text{e}7) \langle\langle \text{endl};
     // write binary representation into string
     string s = bitset \langle 42 \rangle (12345678). to string();
     cout << "12,345,678 with 42 bits: " << s << endl;
    }
```