```
 1: :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
 2: Source: binarylit.cpp
 3: :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
 4:      1   // $Id: binarylit.cpp,v 1.16 2013-07-25 19:42:18-07 - - $
 5:      2
 6:      3   #include <bitset>
 7:      4   #include <climits>
 8:      5   #include <iomanip>
 9:      6   #include <iostream>
10:      7
11:      8   using namespace std;
12:      9
13:     10   const size_t shortbits = CHAR_BIT * sizeof (short);
14:     11
15:     12   int main() {
16:     13      short a = 0b10001111;
17:     14      bitset<shortbits> b {a};
18:     15      cout << b << endl;
19:     16      cout << setw(shortbits) << oct << a << endl;
20:     17      cout << setw(shortbits) << dec << a << endl;
21:     18      cout << setw(shortbits) << uppercase << hex << a << endl;
22:     19      return 0;
23:     20   }
24: :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
25: Output: ./binarylit 2>&1
26: :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
27:      1   0000000010001111
28:      2                217
29:      3                143
30:      4                 8F
31: :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
32: pstatus: 0x0000 EXIT STATUS = 0
```