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| **EX02-02.cpp:** *GCD Solution with User Input* | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19 | #include <iostream>  using namespace std;  unsigned long GCD(unsigned long x, unsigned long y) {  while (y != 0) {  unsigned long oldX = x;  x = y;  y = oldX % y;  }  return x;  }  int main() {  unsigned long n, d;  cout << "n="; cin >> n;  cout << "d="; cin >> d;  unsigned long gcd = GCD(n, d);  cout << n << ':' << d << "=>" << (n / gcd) << ':' << (d / gcd) << endl;  return 0;  } |