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1:  /*---nums relatively prime to n---*/
2:
3:  #include<iostream>
4:  using namespace std;
5:
6:  int GCD(int a, int b)
7:  {
8:      int gcd = 0;
9:      int x = min(a, b);
10:     int y = max(a, b);
11:
12:     if(x == y)
13:     {
14:         gcd = x;
15:     }
16:     else
17:     {
18:         for(int i = 1; i <= x; i++)
19:         {
20:             if(x % i == 0 && y % i == 0)
21:             {
22:                 gcd = i;
23:             }
24:         }
25:     }
26:     return gcd;
27: }
28:
29: void relPrimes(int n)
30: {
31:     for(int i = 0; i < n; i++)
32:     {
33:         if(GCD(i, n) == 1)
34:             cout << i << " ";
35:     }
36: }
37:
38: int main()
39: {
40:     int n;
41:     cout << "Enter your number:\n";
42:     cin >> n;
43:
44:     cout << "Numbers less than " << n << " & relatively prime";
45:     cout << " to" << n << " are:\n";
46:     relPrimes(n);

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47:     return 0;  
48: }
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