#include <iostream>

using namespace std;

int abc( int y )

{

int x = 1;

for ( int i = 2; i<= y / 2; i++ )

{

if ( y % i == 0 )

x += i;

}

return x == y;

}

int main()

{

cout << "Perfect integers between 1 and 1000:" << endl;

for ( int j = 2; j <= 1000; j++ )

{

if ( abc( j ) )

x( j );

}

cout << endl;

}