#include <iostream>

using namespace std;

int main()

{

cout << "\n\n Find the perfect numbers between 1 and 500:\n";

cout << "------------------------------------------------\n";

int i = 1, u = 1, sum = 0;

cout << "\n The perfect numbers between 1 to 500 are: \n";

while (i <= 500)

{

while (u <= 500)

{

if (u < i)

{

if (i % u == 0)

sum = sum + u;

}

u++;

}

if (sum == i) {

cout << i << " " << "\n";

}

i++;

u = 1;

sum = 0;

}

}