PERFECT NUMBER

CODE:

#include<iostream>

using namespace std;

int main ()

{

int i, num, div, sum=0;

cout << "Enter the number to be checked : ";

cin >> num;

for (i=1; i < num; i++)

{

div = num % i;

if (div == 0)

sum = sum + i;

}

if (sum == num)

cout << "\n" << num <<" is a perfect number.";

else

cout << "\n" << num <<" is not a perfect number.";

return 0;

}

OUTPUT:

Enter the number to be checked : 6

6 is a perfect number.

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Process exited after 4.241 seconds with return value 0

Press any key to continue . . .