HARSHAD NUMBER

CODE:

#include <iostream>

using namespace std;

int checkHarshad(int num){

int sum = 0;

int temp = num;

while(temp != 0){

sum = sum + temp % 10;

temp /= 10;

}

// will return 1 if num is divisible by sum, else 0

return num % sum == 0;

}

int main ()

{

int n = 153;

if(checkHarshad(n))

cout << n << " is a Harshad's number";

else

cout << n << " is not a Harshad's number";

return 0;

}

OUTPUT:

153 is a Harshad's number

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Process exited after 0.08952 seconds with return value 0

Press any key to continue . . .