**24.Harshad Number**

**PROGRAM:**

#include <iostream>

using namespace std;

int sumOfDigits(int num) {

int sum = 0;

while (num != 0) {

sum += num % 10;

num /= 10;

}

return sum;

}

bool isHarshad(int num) {

int sum = sumOfDigits(num);

return (num % sum == 0);

}

int main() {

int num;

cout << "Enter a positive integer: ";

cin >> num;

if (isHarshad(num)) {

cout << num << " is a Harshad number." ;

} else {

cout << num << " is not a Harshad number." ;

}

return 0;

}

**OUTPUT:**

