python3 student_no.py # takes inputs from the terminal and displays results (if any).

python3 student_no.py<input1.txt # it takes inputs from input1.txt and displays the result in the terminal.

python3 student_no.py<input1.txt>myoutput.txt # it takes the inputs from input1.txt and creates the myoutput.txt document and writes the result here.

diff output1.txt myoutput.txt # compares the document output1.txt with the document myoutput.txt.

diff --ignore-all-space output1.txt myoutput.txt # compares the document output1.txt with the document myoutput.txt without ignoring the spaces.

QUESTION 1

If a number is divisible by the sum of its digits, it is called a Harshad number. Write a program that takes a positive integer from the user and prints whether this number is a Harshad number or not.

Note: Let's assume that the user always enters a 4-digit integer value.

Example	Example
1226	2844
1+2+2+6 = 11	2+8+4+4 = 18
1226 / 11 is not divisible.	2844 / 18 is divisible.
notharshad	harshad

Example 1	Example 2
1226	2844
11	**18**
notharshad	**harshad**