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 the sum of the powers of the digits of a number is equal to the number itself, then this number is called a Disarium number. Write the Python code that takes a positive integer from the user and finds whether this number is a Disarium number.

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

Example	Example
1306 sayisi	1000 sayisi
1**1 + 3**2 + 0**3 + 6**4 = 1306	1**1 + 0**2 + 0**3 + 0**4 = 1
1306=1306	1!=1000 (is not equal)
disarium	notdisarium

Example 2
1000
1
notdisarium