PROGRAM NO:- 3

Given two positive numbers M and N such that M is between 100 and 10000 and N is less than 100. Find the smallest integer that is greater then M and whose digits add up to N. For eg, if M=100 and N=11 than the smallest integer greater than 100 whose digit add upto 11 is 119.

Write a Program to accept the number M and N from the user and print the smallest required number whose sum of all its digits is equal to N. Also, print the total number of digits present in the required number. The program should check the validity of the inputs and display an appropriate message for an Invalid Input.

Eg:

Input: M=100, N=11

Output:- The Required Number=119

Total number of digits = 3