"""

You are given a string S. Count the number of occurrences of all the digits in the string S.

Input:

First line contains string S.

Output:

For each digit starting from 0 to 9, print the count of their occurrences in the string S. So, print lines, each line containing 2 space separated integers. First integer i and second integer count of occurrence of i. See sample output for clarification.

input - 77150

0 1

1 1

2 0

3 0

4 0

5 1

6 0

7 2

8 0

9 0

"""

mydict = {}

number = "88924671"

for i,j in enumerate(range(10)):

mydict.update({i:0})

print type(mydict[8])

for i in number:

if int(i) in mydict.keys():

mydict[int(i)] += 1

print mydict