**A digital root is the recursive sum of all the digits in a number. Given n, take the sum of the digits of n. If that value has more than one digit, continue reducing in this way until a single-digit number is produced. This is only applicable to the natural numbers.**

n=int(input("Enter the number:"))

a=n

while(n//10>0):

sum = 0

while(n//10>0):

sum = sum+n%10

n=n//10

n = sum+n

print("The digital root of", a, "is:", n)

**Output:**

