import java.util.\*;

public class digitsum

{

public static void main(String[] args)

{

Scanner in=new Scanner(System.in);

System.out.print("Enter the number to find dightsum: ");

int num=in.nextInt();

int sum=num;

int fin=0;

int fin1=0;

String temp=Integer.toString(num);

int len=temp.length();

for(int i=0;i<len;i++)

{

fin=fin+sum%10;

if(Integer.toString(fin).length()!=1)

{

for(int j=0;j<=Integer.toString(fin).length();j++)

{

System.out.println("2: "+fin%10);

fin1=fin1+fin%10;

fin=fin/10;

}

fin=fin1;

}

sum=sum/10;

}

System.out.println("digit sum is: "+fin);

}

}