```
/* Count the digit of a number (int type only)

Algorithm
1)  Take input from user and store it in "n" and then in another variable "m"
2)  While loop until m!=0
3)  Store remainder
4)  Count the remainder after every iteration
5)  store the quotient in "m"

Logic-  With the help of remainder we will count number of digits i.e. after every iteration
remainder will be stored in "r", increment the count variable counter and the quotient will be
stored as new "m".

Source :    Self (class Digit_Count_Num)

Reference   :   https://www.youtube.com/watch?v=35CKfqMTH_E

*/

import java.util.Scanner;


/*class Digit_Count_Num
{
    int r,count,k,m;

    void disp()
    {
        Scanner s=new Scanner(System.in);
        System.out.println("Enter your number = ");

        int n=s.nextInt();

        m=n;    //To avoid the changing of value of "n" I have used "m" variable to preserve
        "n" original value.

        while(m!=0)     // loop will run till "m" is not equal to zero.
        {
            r=m%10;         //storing the remainder in "r" using modulo(%) i.e. percentage

            if(r>=0)    // checking value of "r" every time to increment count even if it is
            zero. In actual, it is counting the each digit in entered number with the help of
            remainder.
            {
                count++;
                k=count;
            }

            m=m/10;     //storing the quotient in "m" and changing the value of "m" each time
            so that to proceed to count the each digit in a number. as you can see, to avoid
            the overriding of value of "n" after every iteration I have used "m" variable so
            that original value of "n" will not be changed.
        }
        System.out.println("Number of digits in your entered number is =  "+k);

    }
}
*/
class Digit_Count_Num1
{
    int q,r,count,k,m;

    void disp()
    {
        Scanner s=new Scanner(System.in);
        System.out.println("Enter your number = ");
```

```
        int n=s.nextInt();

        m=n;
        while(m>0)
        {
            m=m/10;

            count++;
        }
        System.out.println("Number of digits in your entered number is =  "+count);
    }
}

class Digit_Count_Num_Main
{
    public static void main(String args[])
    {
        /*Digit_Count_Num obj1=new Digit_Count_Num();
        obj1.disp();*/

        Digit_Count_Num1 obj=new Digit_Count_Num1();
        obj.disp();
    }
}
```

Output

```
C:\Users\Dhruv\Desktop\Java>java Digit_Count_Num_Main
Enter your number =
17895445
Number of digits in your entered number is =  8
```