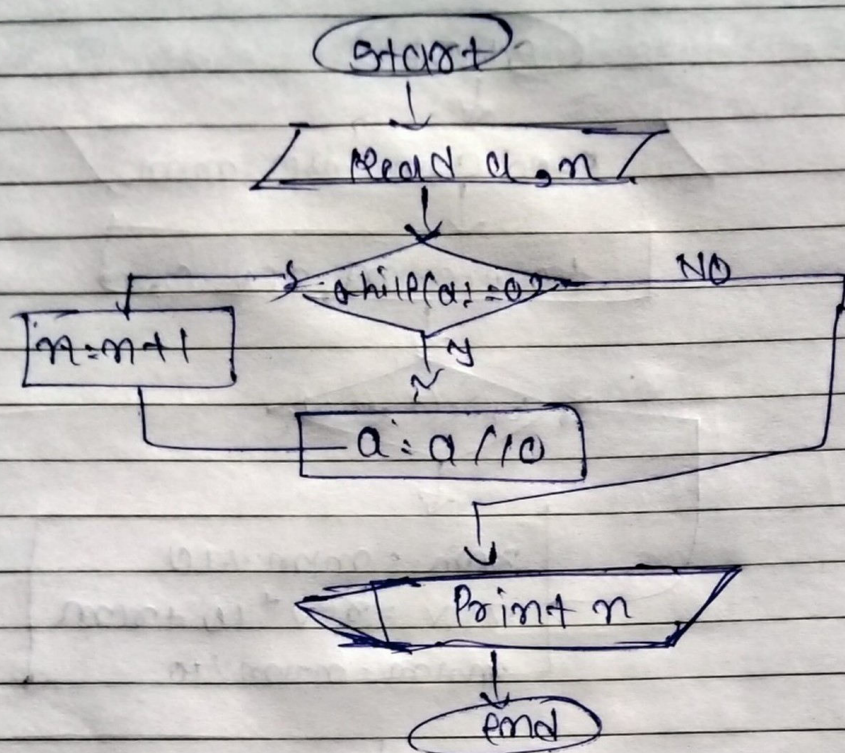


```
/*  
2. Write an algorithm, draw a flowchart and write a program to  
Count Number of Digits of an Integer Using While Loop  
*/
```

```
import java.util.*;  
public class CWS_countNumber {  
  
    /**  
     * @param args the command line arguments  
     */  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter Your Number For Count");  
        int num = sc.nextInt();  
        int count = 0;  
  
        while (num != 0) {  
            num /= 10;  
            ++count;  
        }  
  
        System.out.println("Number of digits: " + count);  
    }  
}
```

(2)



→ Step-1: Start

Step-2: Read a, n / n is a user input

Step-3: use while loop (while (a != 0))

Step-4: while loop is true to $a = a / 10$ process and after $n = n + 1$ process.

Step-5: while loop false to print n and ~~End of a loop~~ End of a loop

Step-6: End.