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Input

```
12345
```

Output

```
Enter the integer number: 12345
Number of digit: 5
```

NUMBER OF DIGITS

Program

```c
#include <stdio.h>
void main()
{
    int n, num=0;
    printf(" Enter the integer number: ");
    scanf("%d", &n);
    printf("%d\n", n);
    while (n!=0)
    {
        n=n/10;
        ++num;
    }
    printf(" Number of digit: %d", num);
}
```

Algorithm

step1 - start

step2 - Input n , num=0

step3 - while (n!=0)

n=n/10

num = num+1
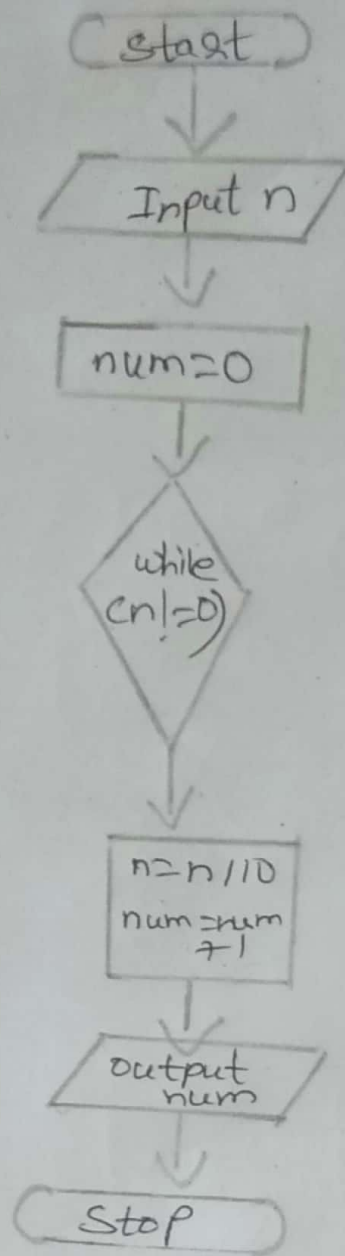[End while]

step4 - Output num

step5 - stop

Flowchart

```
      ( Start )
          |
          v
      / Input n /
          |
          v
     [ num = 0 ]
          |
          v
        / \
       / while \
      < (n!=0) >
       \      /
        \    /
          |
          v
     [ n = n/10
      num = num
         +1 ]
          |
          v
     / output /
     /  num   /
          |
          v
      ( Stop )
```

output

Enter the integer number :

12345

Number of digit : 5

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