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⇒ write a C program to find the number of digits in an integer.

```
#include <stdio.h>
```

```
int main
```

```
{
```

```
int num, tnum, count;
```

```
printf("Enter the number: ");
```

```
scanf("%d", &num);
```

```
count = 0;
```

```
tnum = num;
```

```
while (tnum > 0)
```

```
{
```

```
count++;
```

```
tnum /= 10;
```

```
}
```

```
printf("Number of digits are: %d", count, num);
```

```
return 0;
```

```
}
```

## Algorithm

Step 1: Start

Step 2: Input  $n$ ,  $i = 0$

Step 3: Repeat while ( $n \neq 0$ )  
 $i++$ ;  
 $n = n/10$

Step 4: Print number of digits

Step 5: Stop.

## Flowchart

