

Print all digits from end

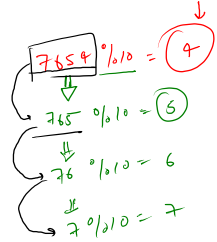
Problem Submissions Leaderboard Discussions

Take n as an integer input from the user, then you have to print the digits of the number starting from the end to the first digit of the number where each digit should be printed in a separate line.

Sample Input 0
7654
Sample Output 0
4
5
6
7

$n = 7654 \rightarrow \text{O/P}$

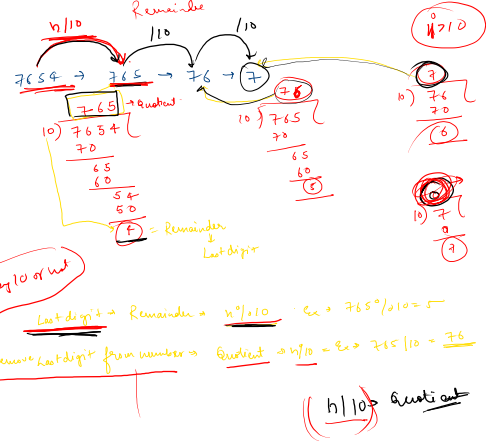
$n = 123456 \rightarrow \text{O/P}$



$n = 7654$
 $n \% 10 = 4$
 $n = 765$
 $n \% 10 = 5$
 $n = 76$
 $n \% 10 = 6$
 $n = 7$
 $n \% 10 = 7$

if $(n \% 10 == 0)$ \Rightarrow n is divisible by 10 or not

12345
↓
1234
↓
123
↓
12
↓
1 (0-9)



7654
↓
765
↓
76
↓
7 (0-9)

$7 < 10$
 $7 > 10$

7654
[2, 1, 1]
765
↓
765

GKSTR46 Number of Digits

Problem	Submissions	Leaderboard	Discussions
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Take an integer **N** as input.
Print the number of **digits** present in **N**.

Sample Input 0
523
Sample Output 0
3

$N = \begin{matrix} \downarrow & \downarrow & \downarrow \\ 5 & 2 & 3 \\ \hline \end{matrix}$

3

$N = \begin{matrix} \downarrow & \downarrow & \downarrow & \downarrow \\ 1 & 2 & 6 & 5 & 7 \\ \hline \end{matrix}$

$\Rightarrow \text{5}$

1) $\begin{matrix} \downarrow & \downarrow & \downarrow \\ 5 & 2 & 3 \\ \hline \end{matrix} / 10 \rightarrow 52$

2) $\begin{matrix} \downarrow \\ 52 \\ \hline \end{matrix} / 10 \rightarrow 5$

3) $\begin{matrix} \downarrow \\ 5 \\ \hline \end{matrix} / 10 \rightarrow 0$

0

1) $\begin{matrix} \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 1 & 2 & 6 & 5 & 7 \\ \hline \end{matrix} / 10 \rightarrow 1265$

$\Rightarrow \text{count} = 1$

2) $\begin{matrix} \downarrow \\ 1265 \\ \hline \end{matrix} / 10 \rightarrow 126$

$\Rightarrow \text{count} = 2$

3) $\begin{matrix} \downarrow \\ 126 \\ \hline \end{matrix} / 10 \rightarrow 12$

$\Rightarrow \text{count} = 3$

4) $\begin{matrix} \downarrow \\ 12 \\ \hline \end{matrix} / 10 \rightarrow 1$

$\Rightarrow \text{count} = 4$

5) $\begin{matrix} \downarrow \\ 1 \\ \hline \end{matrix} / 10 \rightarrow 0$

$\Rightarrow \text{count} = 5$

0

$\text{int count} = 0$

Syso (count); \rightarrow How many digits are present in a nos.

```
int i=n;  
int vinod=0;  
while(i>0){  
    vinod++;  
    i/=10;  
}
```

```
System.out.println(vinod);
```

$n = 523$

$i = 523$

$vinod = 0 \times 2 \times 3$
↓

$i = 52 \neq 0$

Print total steps when n/2

Problem

Submissions

Leaderboard

Discussions

Take an integer input n and then keep on dividing n by 2, till the time n is greater than equal to 1.

Each time you divide n by 2, increment steps by 1.

Print the total number of steps in end.

Sample Input 0

32

Sample Output 0

6

$n = 32$

$n \geq 1$

$32 / 10$

$32 / 2 = 16 \rightarrow ①$

$16 / 2 = 8 \rightarrow ②$

$8 / 2 = 4 \rightarrow ③$

$4 / 2 = 2 \rightarrow ④$

$2 / 2 = 1 \rightarrow ⑤$

$1 / 2 = 0 \rightarrow ⑥$

for (i int n = 100)

Take n as input from the user. Then you will be given a list of n positive integers, each time you find a new maximal value, you have to increment the steps by 1.

Take steps as 0 initially and maximum value as 100 in the starting.

In the end print the number of steps performed.

Output Format

Print the total steps in the end.

Sample Input 0

6
1
2
3
4
5
6

Sample Output 0

6

n=6

int max = -100; int steps = 0;
for (int i = 1; i <= n; i++)
{
 int x = scan.nextInt();
 // update i
}

steps(steps);

max = -100

if (n > max)
 max = n

n=1
n=2
n=3
n=4
n=5
n=6

Sample Input 1

7
2
3
4
5
1
2
10

Sample Output 1

5

n=7

5

10
max = -100
steps = 0
n = 2 3 4 5
10

Pattern 1 - Print Stars in same line

Problem Submissions Leaderboard Discussions

Take an integer input n and print n stars in the same straight line.

Sample Input 0

5

Sample Output 0

```
n = 5
for (int i = 1; i <= n; i++)
    System.out.print ("*");
}
```

i = 1 c = 5 (T)
i = 2 c = 5 (T)
i = 3 c = 5 (T)
i = 4 c = 5 (T)
i = 5 c = 5 (T)
i = 6 c = 5 (F)
