Print all digits from end

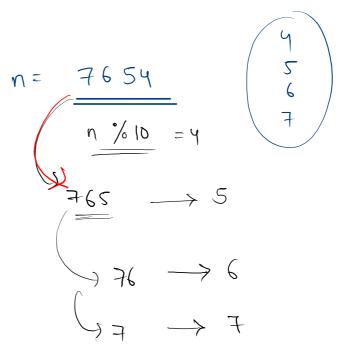
Sample Input 0

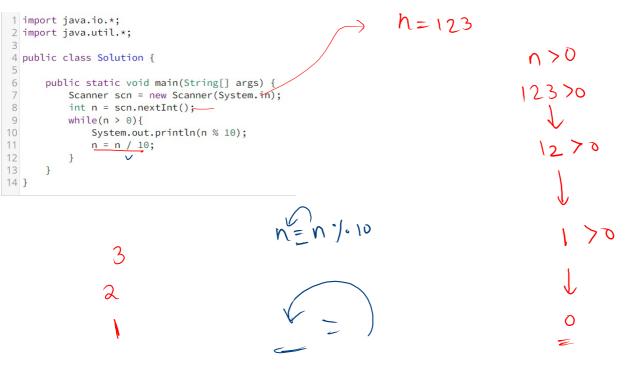
7654

Sample Output 0

4 5 6 7

7654 -> 765.??





```
1 *import java.io.*;
   import java.util.*;
 3
 4 ▼public class Solution {
 5
        public static void main(String[] args) {
 6 ▼
 7
            Scanner scn = new Scanner(System.in);
 8
           int n = scn.nextInt();
           while(n > 0){
9 •
                int ld = n % 10;
10
11
                System.out.println(ld);
12
                n = n / 10;
13
14
       }
15 }
```

GKSTR46 Number of Digits

$$n = 1234$$
.

 $n = 1/234$.

 n

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
 9
           int count = 0;
10
          while(n > 0){
              count++;
12
              n = n / 10;
13
14
           System.out.println(count);
15
16 }
```

```
count = $ 1 2 3 4
```

Print total steps when n/2

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

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

Print the total number of steps in end.

Sample Input 0

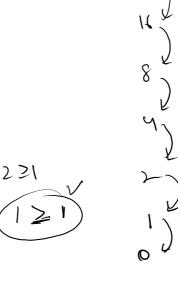
32

Sample Output 0

6







n=32

step= X / X / X 6

```
N = 32.
```

```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           int steps = 0;
           while(n >= 1){
10
11
               n = n / 2;
12
               steps++;
13
14
           System.out.println(steps);
15
16 }
```

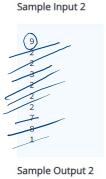
Steps = C

Print steps and update maximum

Take n as input from the user. Then you will be given a list of n positive integers, each time you find a new maximumal 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.





```
1 import java.io.*;
 2 import java.util.*;
4 public class Solution {
      public static void main(String[] args) {
          Scanner scn = new Scanner(System.in);
          int n = scn.nextInt();
10
          int steps = 0;
          int max = -100;
11
12
          for(int i = 1; i <= n; i++){
13
14
              int x = scn.nextInt();
15
              if(x > max){
16
                  max = x;
17
                   steps++;
18
19
20
          System.out.println(steps);
21
```

22 }

```
n = 4
               154
               \chi = 2
                W=1
  3
```

3>2

N > mor x

Print z, Y, x, W, v,...

10

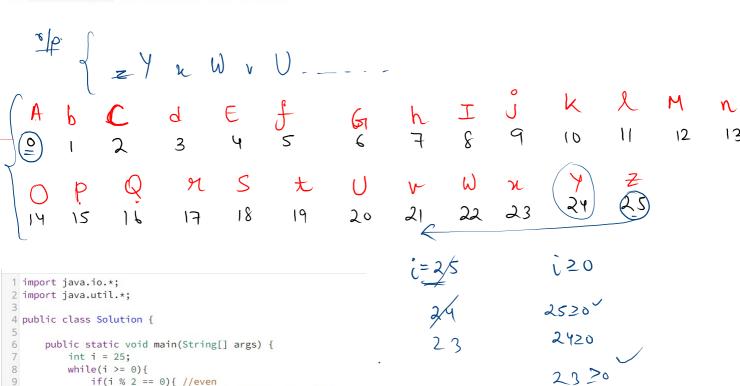
11

Print z, Y, x, W, v... uptil 26 characters using a while loop.

}else{ //odd

System.out.print((char)('A' + i) + " ");

System.out.print((char)('a' + i) + " ");



|a| + 25

Pattern 1 - Print Stars in same line

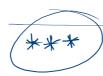
Take an integer input **n** and print **n** stars in the same straight line.

Sample Input 0

5

Sample Output 0

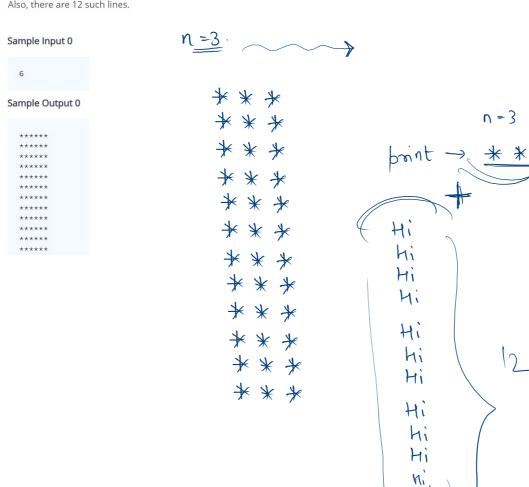
```
n=3
i=0
```



Pattern 2 - Print n x 12 star rectangle

Take **n** as an integer input and then print a **star rectangle** such that each line has **n** stars.

Also, there are 12 such lines.



Mi

n=3

CKX f

nw=/23

(= %

1 = 2 | 3 = 2 |

1 import java.io.*; 2 import java.util.*; 4 public class Solution { public static void main(String[] args) { Scanner scn = new Scanner(System.in); int n = scn.nextInt(); 10 for(int row = 1; row <= 12; row++){ 11 //each row 12 for(int i = 0; i < n; i++){ 13 System.out.print("*"); 14 15 System.out.println(); 16

17

18 }

}

V 1<3 2 2(3)

0<3

```
1 vimport java.io.∗;
   import java.util.*;
4 → public class Solution {
 5
6
        public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
8
           int n = scn.nextInt();
 9
10 •
            for(int row = 1; row <= 12; row++){
                //each row
11
                for(int i = 0; i < n; i++){
12 •
13
                    if(i == n-1){
14 •
15
                        System.out.println("*");
                    }else{
16 •
                        System.out.print("*");
17
18
19
20
21
22
23 }
```