

Java Loops I | HackerRank

Hackerrank Java Loops - GitHub

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Prepare

Java

Introduction

Java Loops I

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Problem

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Editorial

Objective

In this challenge, we're going to use loops to help us do some simple math.

Task

Given an integer, N , print its first 10 multiples. Each multiple $N \times i$ (where $1 \leq i \leq 10$) should be printed on a new line in the form: $N \times i = result$.

Input Format

A single integer, N .

Constraints

$2 \leq N \leq 20$

Output Format

Print 10 lines of output: each line i (where $1 \leq i \leq 10$) contains the *result* of $N \times i$ in the form: $N \times i = result$.

Sample Input

2

Sample Output

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20

Change Theme

Language

java 7

1 import java.io.*;
2 import java.math.*;
3 import java.security.*;
4 import java.text.*;
5 import java.util.*;
6 import java.util.concurrent.*;
7 import java.util.regex.*;
8
9
10
11 public class Solution {
12 public static void main(String[] args) throws IOException {
13 Scanner scan=new Scanner(System.in);
14 int n=scan.nextInt();
15
16 for(int i=1;i<=10;i++)
17 {
18 System.out.println(n + " x " + i + " = " + n*i);
19 }
20
21 }
22
23 }

Upload Code as File

Test against custom input

Run Code

Submit Code

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Line: 18 Col: 68

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Java End-of-File | HackerRank

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"In computing, End Of File (commonly abbreviated EOF) is a condition in a computer operating system where no more data can be read from a data source." — (Wikipedia: End-of-file)

The challenge here is to read **n** lines of input until you reach EOF, then number and print all **n** lines of content.

Hint: Java's `Scanner.hasNext()` method is helpful for this problem.

Input Format

Read some unknown **n** lines of input from `stdin`(`System.in`) until you reach EOF; each line of input contains a non-empty String.

Output Format

For each line, print the line number, followed by a single space, and then the line content received as input.

Sample Input

```
Hello world
1 am a file
Read me until end-of-file.
```

Sample Output

```
1 Hello world
2 1 am a file
3 Read me until end-of-file.
```

Lines: 12 Cols: 17

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Run Code

Submit Code

You have earned 10.00 points!

You are now 12 points away from the 3rd star for your java badge..

60%

63/80

Congratulations

You solved this challenge. Would you like to challenge your friends?

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Next Challenge

Test case 0

Compiler Message

Test case 1

Success

Hidden Test Case

Unlock this test case for 5 hacks.

Unlock

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Task View

Edge

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Taskbar icons

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Task

Input Format

Constraints

Output Format

Sample Input

Sample Output

Upload Code as File

Test against custom input

Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

102 x 10 = 20

Expected Output

Download

12 x 1 = 2

22 x 2 = 4

32 x 3 = 6

42 x 4 = 8

52 x 5 = 10

62 x 6 = 12

72 x 7 = 14

82 x 8 = 16

92 x 9 = 18

102 x 10 = 20

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Java Static Initializer Block | Hackerrank

area of parallelogram - Google

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Java Static Initializer Block

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You are given a class solution with a main method. Complete the given code so that it outputs the area of a parallelogram with breadth B and height H . You should read the variables from the standard input.

If $B \leq 0$ or $H \leq 0$, the output should be "java.lang.Exception: Breadth and height must be positive" without quotes.

Input Format

There are two lines of input. The first line contains B ; the breadth of the parallelogram. The next line contains H ; the height of the parallelogram.

Constraints

- $-100 \leq B \leq 100$
- $-100 \leq H \leq 100$

Output Format

If both values are greater than zero, then the main method must output the area of the parallelogram. Otherwise, print "java.lang.Exception: Breadth and height must be positive" without quotes.

Sample input 1

```
1
3
```

Sample output 1

```
3
```

Sample input 2

```
-1
2
```

Sample output 2

```
java.lang.Exception: Breadth and height must be positive
```

Change Theme

Language: java 15

Exit Full Screen View

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be
        named Solution. */
8
9         Scanner sc=new Scanner(System.in);
10        int a=sc.nextInt();
11        int b=sc.nextInt();
12
13        if(a>=1 && b>=1){
14            System.out.print(a*b);
15        }
16
17        else{
18            System.out.print("java.lang.Exception: Breadth and height must be positive");
19        }
20    }
21 }
```

Line: 18 Col: 98

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Test against custom input

Run Code

Submit Code

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Problem

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If $B \leq 0$ or $H \leq 0$, the output should be "java.lang.Exception: Breadth and height must be positive" without quotes.

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There are two lines of input. The first line contains B : the breadth of the parallelogram. The next line contains H : the height of the parallelogram.

Constraints

- $-100 \leq B \leq 100$
- $-100 \leq H \leq 100$

Output Format

If both values are greater than zero, then the main method must output the area of the parallelogram. Otherwise, print "java.lang.Exception: Breadth and height must be positive" without quotes.

Sample input 1

```
1
3
```

Sample output 1

```
3
```

Sample input 2

```
-1
2
```

Sample output 2

```
java.lang.Exception: Breadth and height must be positive
```

Line 18 Col 1: 99

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 2 points away from the 3rd star for your java badge.

93%

75/80

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Compiler Message

Success

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Input (stdin)

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Expected Output

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Java End-of-File

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Problem

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The challenge here is to read n lines of input until you reach EOF, then number and print all n lines of content.

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Input Format

Read some unknown n lines of input from stdin(System.in) until you reach EOF; each line of input contains a non-empty String.

Output Format

For each line, print the line number, followed by a single space, and then the line content received as input.

Sample Input

Hello world
I am a file
Read me until end-of-file.

Sample Output

1 Hello world
2 I am a file
3 Read me until end-of-file.

Change Theme

Language: java 8

1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6 public static void main(String[] args) {
7 Scanner scan=new Scanner(System.in);
8 int i=1;
9 while(scan.hasNext()){
10 String s=scan.nextLine();
11 System.out.println(i+" "+s);
12 i++;
13 }
14 }
15 }

Upload Code as File

Test against custom input

Run Code

Submit Code

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Line: 12 Col: 17

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