

Problem

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hackerrank.com/challenges/java-loops-4/problem?isFullScreen=true

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Prepare > Java > Introduction > Java Loops I

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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: $N \times i = \text{result}$.

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: $N \times i = \text{result}$.

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. public class Solution {
9. private static final Scanner scanner = new Scanner(System.in);
10. public static void main(String[] args) {
11. int N = scanner.nextInt();
12. scanner.skip("(\\r\\n|\\n|\\u2028|\\u2029|\\u0085)?");
13. if(N>1 && N<=20)
14. {
15. for(int i=1; i<=10; i++)
16. {
17. int mul=N*i;
18. System.out.println(N+" x "+i+" = "+mul);
19. }
20. }
21. scanner.close();
22. }
23. }

Line: 23 Col: 2

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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

Input (stdin)

Download

```
1 2
```

Your Output (stdout)

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

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Sample Test case 0

Expected Output

```
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2 2 x 2 = 4
3 2 x 3 = 6
4 2 x 4 = 8
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10 2 x 10 = 20
```

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Line: 23 col: 2

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 12 points away from the 2nd star for your java badge.

52%

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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

Input (stdin)

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Expected Output

Download

1 2 x 1 = 2
2 2 x 2 = 4
3 2 x 3 = 6
4 2 x 4 = 8
5 2 x 5 = 10

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A single integer, N .

- $2 \leq N \leq 20$

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2

$$\begin{array}{l} 2 \times 1 = 2 \\ 2 \times 2 = 4 \\ 2 \times 3 = 6 \\ 2 \times 4 = 8 \\ 2 \times 5 = 10 \\ 2 \times 6 = 12 \\ 2 \times 7 = 14 \\ 2 \times 8 = 16 \\ 2 \times 9 = 18 \\ 2 \times 10 = 20 \end{array}$$

Line: 23 (o3: 2

 UploadCode as File

☐ Test against custom input

Run Code

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Next Challenge

Test case 0

Test case 1

Expected Output

Download

Test case 2

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