

MODULE 1

Problem

Submissions

Leaderboard

Discussions

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

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

Exit Full Screen View

```
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
12  public class Solution {
13      public static void main(String[] args) throws IOException {
14          BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.in));
15          int cnt=0;
16          int N = Integer.parseInt(bufferedReader.readLine().trim());
17          for(int i=1;i<=10;i++){
18              cnt=N+i;
19              System.out.println(N+" x "+i+" = "+cnt);
20          }
21          bufferedReader.close();
22      }
23  }
24
```

Line: 18 Col: 58

Upload Code as File

Test against custom input

Run Code

Submit Code

gta - Google Search

Java Loops | HackerRank

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

Prepare

Java

Introduction

Java Loops I

Exit Full Screen View

Problem

Submissions

Leaderboard

Discussions

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

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
```

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 18.67 points away from the 2nd star for your java badge.

25%

31.33/50

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)

Download

Expected Output

Download

Ultra-Instinct-Gok...jpg

Ultra-Instinct-Go...webp

Show all

MODULE2

Problem

Submissions

Leaderboard

Discussions

Editorial

1 ≤ n ≤ 10

Output Format

For each query, print the corresponding series on a new line. Each series must be printed in order as a single line of n space-separated integers.

Sample Input

2
0 2 10
5 3 5

Sample Output

2 6 14 30 62 126 254 510 1022 2046
8 14 26 50 98

Explanation

We have two queries:
1. We use a = 0, b = 2 and n = 10 to produce some series s_0, s_1, \dots, s_{n-1} :
• $s_0 = 0 + 1 \cdot 2 = 2$
• $s_1 = 0 + 1 \cdot 2 + 2 \cdot 2 = 6$
• $s_2 = 0 + 1 \cdot 2 + 2 \cdot 2 + 4 \cdot 2 = 14$
... and so on.
Once we hit n = 10, we print the first ten terms as a single line of space-separated integers.
2. We use a = 5, b = 3 and n = 5 to produce some series s_0, s_1, \dots, s_{n-1} :
• $s_0 = 5 + 1 \cdot 3 = 8$
• $s_1 = 5 + 1 \cdot 3 + 2 \cdot 3 = 14$
• $s_2 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 = 26$
• $s_3 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 + 8 \cdot 3 = 50$
• $s_4 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 + 8 \cdot 3 + 16 \cdot 3 = 98$
We then print each element of our series as a single line of space-separated values.

Line: 12 Col: 25

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!
You are now 8.67 points away from the 2nd star for your java badge.

65%

41.33/50

Congratulations

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

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Compiler Message

Success

Input (stdin)

Download

Expected Output

Download

Activate Windows
Go to Settings to activate Windows.

Problem

Submissions

Leaderboard

Discussions

Editorial

1 ≤ n ≤ 10

Output Format

For each query, print the corresponding series on a new line. Each series must be printed in order as a single line of n space-separated integers.

Sample Input

2
0 2 10
5 3 5

Sample Output

2 6 14 30 62 126 254 510 1022 2046
8 14 26 50 98

Explanation

We have two queries:
1. We use a = 0, b = 2 and n = 10 to produce some series s_0, s_1, \dots, s_{n-1} :
• $s_0 = 0 + 1 \cdot 2 = 2$
• $s_1 = 0 + 1 \cdot 2 + 2 \cdot 2 = 6$
• $s_2 = 0 + 1 \cdot 2 + 2 \cdot 2 + 4 \cdot 2 = 14$
... and so on.
Once we hit n = 10, we print the first ten terms as a single line of space-separated integers.
2. We use a = 5, b = 3 and n = 5 to produce some series s_0, s_1, \dots, s_{n-1} :
• $s_0 = 5 + 1 \cdot 3 = 8$
• $s_1 = 5 + 1 \cdot 3 + 2 \cdot 3 = 14$
• $s_2 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 = 26$
• $s_3 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 + 8 \cdot 3 = 50$
• $s_4 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 + 8 \cdot 3 + 16 \cdot 3 = 98$
We then print each element of our series as a single line of space-separated values.

Change Theme

Language

Java 7

1 import java.util.*;
2 import java.io.*;
3
4 class Solution{
5 public static void main(String []largs){
6 Scanner in = new Scanner(System.in);
7 int t=in.nextInt();
8 for(int i=0;i<t;i++){
9 int a = in.nextInt();
10 int b = in.nextInt();
11 int n = in.nextInt();
12 int result=0;
13 for (int j = 0; j < n; j++){
14 if(j==0){
15 result = result + (a + (int)Math.pow(2,j) * b);
16 }
17 else{
18 result = result + ((int)Math.pow(2,j) * b);
19 }
20 System.out.print(result+" ");
21 }
22 System.out.println();
23 }
24 }
25 }
26 }

Line: 12 Col: 25

Upload Code as File

Test against custom input

Run Code

Submit Code

Activate Windows
Go to Settings to activate Windows.

MODULE4

HackerRank

Prepare · java · Introduction · java Output Formatting

Problem

Java's `System.out.printf` function can be used to print formatted output. The purpose of this exercise is to test your understanding of formatting output using `printf`.

To get you started, a portion of the solution is provided for you in the editor; you must format and print the input to complete the solution.

Input Format

Every line of input will contain a String followed by an integer.

Each String will have a maximum of 10 alphabetic characters, and each integer will be in the inclusive range from 0 to 999.

Output Format

In each line of output there should be two columns:

The first column contains the String and is left justified using exactly 15 characters.

The second column contains the integer, expressed in exactly 3 digits; if the original input has less than three digits, you must pad your output's leading digits with zeroes.

Sample Input

```
java 100
cpp 65
python 50
```

Sample Output

```
=====
java      100
cpp       065
python    050
=====
```

Explanation

Each String is left-justified with trailing whitespace through the first 15 characters. The leading digit of the integer is the 16th character, and each integer that was less than 3 digits now has leading zeroes.

Change Theme

Language: java 7

Exit Full Screen View

```
1 import java.util.Scanner;
2
3 public class Solution {
4
5     public static void main(String[] args) {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("=====");
8         for(int i=0;i<3;i++){
9             String s1=sc.next();
10            int x=sc.nextInt();
11            //complete this line
12            System.out.printf("%-15s%03d\n",s1,x);
13
14
15            System.out.println("=====");
16
17        }
18    }
19
20
21
22
```

Line: 11 Col: 37

Upload Code as File

Test against custom input

Activate Windows
Go to Settings to activate Windows.

Run Code

Submit Code

HackerRank

Prepare · java · Introduction · java Output Formatting

Problem

Java's `System.out.printf` function can be used to print formatted output. The purpose of this exercise is to test your understanding of formatting output using `printf`.

To get you started, a portion of the solution is provided for you in the editor; you must format and print the input to complete the solution.

Input Format

Every line of input will contain a String followed by an integer.

Each String will have a maximum of 10 alphabetic characters, and each integer will be in the inclusive range from 0 to 999.

Output Format

In each line of output there should be two columns:

The first column contains the String and is left justified using exactly 15 characters.

The second column contains the integer, expressed in exactly 3 digits; if the original input has less than three digits, you must pad your output's leading digits with zeroes.

Sample Input

```
java 100
cpp 65
python 50
```

Sample Output

```
=====
java      100
cpp       065
python    050
=====
```

Explanation

Each String is left-justified with trailing whitespace through the first 15 characters. The leading digit of the integer is the 16th character, and each integer that was less than 3 digits now has leading zeroes.

Line: 11 Col: 37

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 25.34 points away from the 3rd star for your java badge.

16%

54.66%

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

Input (stdin)

Download

Expected Output

Download

```
1 java 100
2 cpp 65
3 python 50
```

```
=====
java      100
cpp       065
python    050
=====
```

Activate Windows
Go to Settings to activate Windows.

MODULE5

Problem

Submissions

Leaderboard

Discussions

Editorial

You are given an integer n . you have to convert it into a string.

Please complete the partially completed code in the editor. If your code successfully converts n into a string s the code will print "Good job". Otherwise it will print "Wrong answer".

n can range between -100 to 100 inclusive.

Sample Input 0

```
100
```

Sample Output 0

```
Good job
```

Change Theme

Language: Java 7

Exit Full Screen View

```
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43

try {
    Scanner in = new Scanner(System.in);
    int n = in.nextInt();
    in.close();
    //String s=???; Complete this line below
    //Write your code here
    String s= Integer.toString(n);

    if (n == Integer.parseInt(s)) {
        System.out.println("Good job");
    } else {
        System.out.println("Wrong answer.");
    }
} catch (DoNotTerminate.ExitTrappedException e) {
    System.out.println("Unsuccessful Termination!!");
}

//The following class will prevent you from terminating the code using exit(0)!
class DoNotTerminate {

    public static class ExitTrappedException extends SecurityException {

        private static final long serialVersionUID = 1;
    }

    public static void forbidExit() {
        final SecurityManager securityManager = new SecurityManager() {
            @Override
            public void checkPermission(Permission permission) {
                if (permission.getName().contains("exitVM")) {
                    throw new ExitTrappedException();
                }
            }
        };
    }
}
```

Activate Windows
Go to Settings to activate Windows.

Upload Code as File

Test against custom input

Run Code

Submit Code

Problem

Submissions

Leaderboard

Discussions

Editorial

You are given an integer n . you have to convert it into a string.

Please complete the partially completed code in the editor. If your code successfully converts n into a string s the code will print "Good job". Otherwise it will print "Wrong answer".

n can range between -100 to 100 inclusive.

Sample Input 0

```
100
```

Sample Output 0

```
Good job
```

Line: 14 Col: 34

Activate Windows
Go to Settings to activate Windows.

Upload Code as File

Test against custom input

Run Code

Submit Code

Test case 0

Compiler Message

Success

Test case 1

Input (stdin)

Download

1 100

Test case 2

Expected Output

Download

1 Good job