

You will be given **x** and **n** as an integer input from the user. You have to print the number from **x** to **n** (both inclusive), each number in the different line. ✓

### Input Format

For each test case, you will get

**x** as an integer input in the first line.

**n** as an integer input in the second line.

### Constraints

---

2 →

N = 50

{ 0 7 14 21 28 35 42 49



0 7 14 21 28 35 42 49

```
import java.io.*;
import java.util.*;
```

```
public class Solution {
```

7x0 = 0  
7x1 = 7  
7x2 = 14

```
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int N = scn.nextInt();
        for(int i = 0; i <= N; i += 7) {
            System.out.print(i + " ");
        }
    }
}
```

$$N = 43$$

for (  $i = 2$  ,  $i < \underline{N}$  ;  $i++$  ) {

if (  $N \% i == 0$  ) {

}

$$N = 13$$

~~0~~ +  
②  
=

prime

not prime }

$$13 \% 13 = \underline{0}$$

for

while

Count = 0 ~~1~~ 2

1

i = 2

Prime

1 < 2

```
public class Main {  
    public static void main(String[] args) {  
        int N = 430; 1  
        int count = 0;  
        for(int i = 1; i <= N; i++) {  
            if(N % i == 0) count += 1;  
        }  
        System.out.println(count > 2 ? "Not Prime" : "Prime");  
    }  
}
```

2 > 2

13 % 1 == 0

i <= 13 → work

i = 1

i = 1 ~~2~~ 3

4 5 / :  
13

i += 1

13 % 13 = 0

Yes

$N = 6$

$N$

1) 2

$N$

$N-1$   $N$

isPrime = ~~true~~  
false

boolean flag  $\rightarrow$  true

for (int i = 2; i < N; i++) {

Not Prime

```
public class Main {  
    public static void main(String[] args) {  
         $\rightarrow$  int N = 45 35  
         $\rightarrow$  boolean isPrime = true;  
         $\rightarrow$  for (int i = 2; i < N; i++) {  
            if (N % i == 0) {  
                { isPrime = false;  
                  break; }  
            }  
        }  
        System.out.println(isPrime ? "Prime" : "Not Prime");  
    }  
}
```

$N = 35$

(2 3 4 5 6 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)

$35 \% 2 = 20$

$35 \% 8 = 20$

$35 \% 4 = 20$

$35 \% 5 = 20$

$i = 2, 3, 4, 5$

$i < 35 \rightarrow$  work

$i = 35$

$i++$

for (int i = 0; i < N; i++) {

N = 30

System.out.println(i);

0^2 <= 80

{  
0  
1  
2  
3  
4  
5  
}

i = 0 1 2 3 4 5 6  
1 + 1 <= 30  
2 + 2 <= 30

86 <= 30

4 <= 30

9 <= 30

16 <= 30

25 <= 30

0  
1  
2 5  
3 4

$N = 100$

$i = 1 \rightarrow 2 \rightarrow 3 \rightarrow \dots \rightarrow 100$   
↳

3 Ping

5 Pong

Ping Pong

1

2

ping

4

pong

ping

7

8

ping

pong

11

ping

13

14

pingpong