Print 3 7 11 15...

③ 7   11   15 - - - - 19   23

4   4   4   4   4

$< \ n \to i/p$
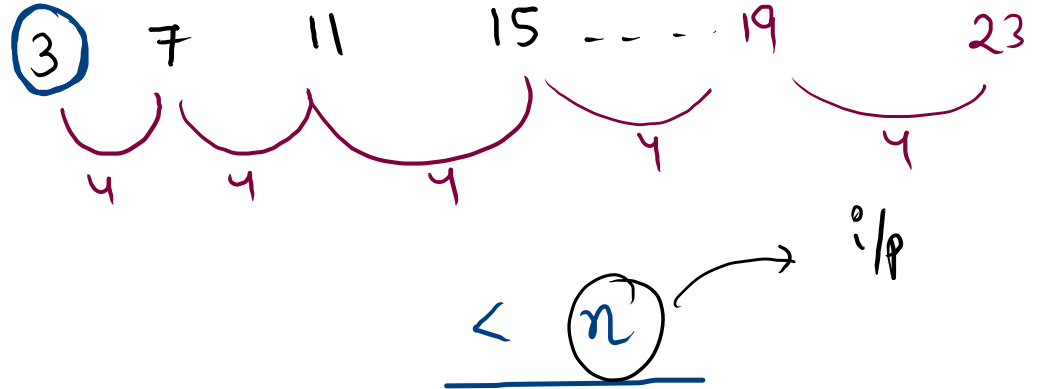
Print n to 1.

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

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();

        while(n >= 1){
            System.out.println(n);
            n--;
        }

    }
}
```

GKSTR15 Print_Even → _while_.

$n = 10$

0

2

4

6

8

10

$n = 11$

0

2

4

6

8

10

Print, n, n-k, n-2k . . .

✓

$int\ i = n;$

$while\ (\ i \geq 0)$

$\{$

$Syso(i);$

$i -= k;$

$\}$

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

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int k = sc.nextInt();

        while(n >= 0){
            System.out.println(n);
            n -= k;
        }

    }
}
```

n = 30

k = 5

$30 \geq 0$

$25 \geq 0$

boolean

a , C , e , G , i , K , . . . — — —   i = 0

② Que → alternate + casing.

i = 0 , 2 , 4 , 6 , 8 , 10 , 12 . . .

boolean   smallCase = T

while (i < 26)
{
  if (smallCase == True)
  { System.(chgs) (ch + i);
  } else { (Capital)
}
}

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

public class Solution {

    public static void main(String[] args) {
        int i = 0;

        boolean smallCase = true;

        while(i < 26){
            char ch = (char)(i + 'a');

            if(smallCase == true){
                System.out.println(ch);
                smallCase = false;
            }
            else{
                System.out.println(Character.toUpperCase(ch));
                smallCase = true;
            }

            i+=2;

        }

    }
}
```

i = 0 2 4 6   a
sc = true. t f t f t   C
                       e
i < 26   G
0 < 26
2 < 26
4 < 26   ch = 'g'
6 < 26

1. 2
a c e g i k

2nd.
a C e G i K

or UC   pr LC

```
public static void main(String[] args) {
    int i = 0;

    boolean smallCase = true;

    while(i < 26){
        char ch = (char)(i + 'a');

        if(smallCase == true){
            System.out.println(ch);
            smallCase = false;
        }
        else{
            System.out.println(Character.toUpperCase(ch));
            smallCase = true;
        }

        i+=2;

    }
}
```

Method 2   Odd - even

    a C e G i k m O
i   0 2 4 6 8 10 12 14
swap 0 1 2 3 4 5 6 7

i / 2 = = 0   if swap → even → smallCase
                   swap → odd → Uppercase
i % 4 == 0   swap++ i

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

public class Solution {

    public static void main(String[] args) {
        int i = 0;
        int swap = 0;

        while(i < 26){
            char ch = (char)(i + 'a');

            if(swap % 2 == 0){
                System.out.println(ch);
            }
            else{
                System.out.println(Character.toUpperCase(ch));
            }

            i+=2;
            swap++;

        }

    }
}
```