

# Print n, n-3, n-6 .....

`int n = 17;`

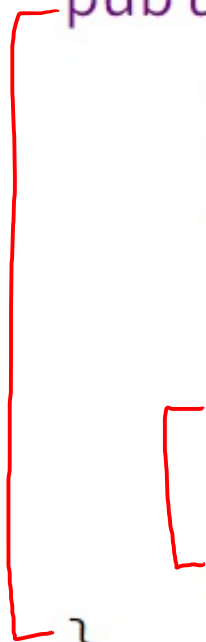
17, 14, 11, 8, 5, 2, ~~-1~~

$$\begin{array}{r} -1 > 0 \\ \hline \hline \times \\ \hline \hline \end{array}$$

```
public static void main(String[] args) {  
    Scanner scn = new Scanner(System.in);  
    int n = scn.nextInt();  
  
    for (int i = n; i > 0; i -= 3) {  
        System.out.println(i);  
    }  
}
```

# Print n, n-k, n-2k, n-3k .....

```
public static void main(String[] args) {  
    Scanner scn = new Scanner(System.in);  
    int n = scn.nextInt();  
    int k = scn.nextInt();  
  
    for (int i = n; i >= 0; i -= k) {  
        System.out.println(i);  
    }  
}
```



# print a to z

---

'a' 'b' 'c' . . . . . 'z'

```
for ( char ch = 'a' ; ch <= 'z' ; ch++ ) {  
    Syso ( ch ) ;  
}
```

```
public static void main(String[] args) {  
    for (char ch = 'a' ; ch <= 'z' ; ch++) {  
        System.out.println(ch);  
    }  
}
```

Print a, c, e... till the characters are less than z

```
public static void main(String[] args) {  
    for (char ch = 'a'; ch <= 'z'; ch += 2) {  
        System.out.println(ch);  
    }  
}
```

ch = 'a', ('a' <= 'z') ✓  
ch = 'c', ('c' <= 'z') ✓  
'e'  
'g'  
'i'  
'k'  
'm'  
'o'  
'q'  
's'  
'u'  
'w'  
ch = 'y'

Notes:-

```
[ for (          ;          ;          ) {  
    Sys0(i);  
    y  
}
```

Infinite loop

# Print a, B, c, D, e, F, g..... 26 characters

```
public static void main(String[] args) {  
    → int turn = 1;  
    for (char ch = 'a'; ch <= 'z'; ch++) {  
        if (turn % 2 == 0) {  
            char ch1 = (char)(ch - 32);  
            System.out.println(ch1);  
        } else {  
            System.out.println(ch);  
        }  
        → turn++;  
    }  
}
```

turn = ~~1~~ ~~2~~ ~~3~~ ~~4~~ 5

ch = 'a',

ch = 'b',

ch = 'c',

ch = 'd',

ch = 'e',

⋮

o/p

'a'

'B'

'c'

'D'

'e'

⋮

## Print z, y, x.... till 26 characters

```
public static void main(String[] args) {  
    for (char ch = 'z'; ch >= 'a'; ch--) {  
        System.out.println(ch);  
    }  
}
```

