

10  
9  
8  
7  
6  
5  
4  
3  
2  
1

for loop      ↓   ↓   10 - 1  
                 10 - 1      9  
                                 8  
initilize ; condition stop  
for (int i=10; i > 0; i--) {

10 - ①  
↓

for Loop

- 1) from where should i start  
(starting point)
- 2) from where should i stop  
(stopping point)
- 3) How much step should i take for next time.  
(step count)

if starting > ending  
• (>)

(10 - 1) > if starting < ending  
(<)

for (i=10; i > 1; i--) {

(i=9; i > 1; i--)

i=8  
i=7  
...

i=2; i > 1; i--

i=1; i > 1 X)

10  
9  
8  
7

```

public class Main
{
    public static void main(String[] args) {
        for(int i = 15; i < 30; i++)
            System.out.println("Hello World");
    }
}

```

$i = 15$  ;  $i < 30$  ✓ True

$i = 16$  ;  $i < 30$

$i = 17$  ;  $i < 30$

$i = 18$  ;  $i < 30$

$i = 29$  ;  $i < 30$  ✓  
 $29 < 30$  ✓

$i = 30$  ;  $i < 30$   
 $30 < 30$  ✗ false

$$\begin{array}{r} 2697 \\ -4 \\ \hline 2693 \\ -4 \\ \hline 2689 \end{array}$$

$i = i - 4$   
 $(i = 2697 ; i > 0 ; i -= 4)$

$i = 2697$  ;  $i > 0$  ;  $i -= 4$

$i = 2693$  ;  $i > 0$  ;  $i -= 4$

$i = 2689$  ;  $i > 0$  ;  $i -= 4$

$$\begin{array}{r} \dots \\ \dots \\ \dots \\ \dots \\ \dots \end{array}$$
 $(i = 7 ; i > 5 ; i -= 4)$   
 $i = 3$  ;  $i > 5$