

Comparison	for loop	while loop	do while loop
Introduction	The Java for loop is a control flow statement that iterates a part of the programs multiple times.	The Java while loop is a control flow statement that executes a part of the programs repeatedly on the basis of given boolean condition.	The Java do while loop is a control flow statement that executes a part of the programs at least once and the further execution depends upon the given boolean condition.
When to use	If the number of iteration is fixed, it is recommended to use for loop.	If the number of iteration is not fixed, it is recommended to use while loop.	If the number of iteration is not fixed and you must have to execute the loop at least once, it is recommended to use the do-while loop.
Syntax	<pre>for(init;condition;incr/decr){ // code to be executed }</pre>	<pre>while(condition){ //code to be executed }</pre>	<pre>do{ //code to be executed }while(condition);</pre>
Example	<pre>//for loop for(int i=1;i<=10;i++){ System.out.println(i); }</pre>	<pre>//while loop int i=1; while(i<=10){ System.out.println(i); i++; }</pre>	<pre>//do-while loop int i=1; do{ System.out.println(i); i++; }while(i<=10);</pre>
Syntax for infinite loop	<pre>for(;;){ //code to be executed }</pre>	<pre>while(true){ //code to be executed }</pre>	<pre>do{ //code to be executed }</pre>

for loop

The Java for loop is used to iterate a part of the program several times. If the number of iteration is fixed, it is recommended to use for loop.

while loop

The Java while loop is used to iterate a part of the program several times. If the number of iteration is not fixed, it is recommended to use while loop.

do-while loop

The Java do-while loop is used to iterate a part of the program several times. Use it if the number of iteration is not fixed and you must have to execute the loop at least once.

Finally

1. Is there any topic you want to do again?
2. What part of last week's logic was challenging?
3. Have you gone beyond what was taught in class?
4. Have you done enough practice?
5. Have you done all of your assignments?