

For Loops

For loops are useful when we know ahead of time how many times we want to repeat something. We declare a loop variable (or loop counter) and in each iteration we increment it until we reach the number of times we want to execute some code.

```
for (int i = 0; i < 5; i++)  
    statement
```

While Loops

While loops are useful when we don't know ahead of time how many times we want to repeat something. This may be dependent on the values at run-time (eg what the user enters).

```
while (someCondition) {  
    ...  
    if (someCondition)  
        break;  
}
```

We use the **break** statement to jump out of a loop.

Do..While Loops

Do..While loops are very similar to **while** loops but they executed at least once. In contrast, a while loop may never get executed if the condition is initially false.

```
do {  
    ...  
} while (someCondition);
```

For-each Loops

For-each loops are useful for iterating over an array or a collection.

```
int[] numbers = {1, 2, 3, 4};  
for (int number : numbers)
```