

If...else if...else

```
if (condition) {  
    Executable block  
} else if (condition) {  
    Executable block  
} else {  
    Executable block  
}
```

```
if (i > 0) {  
    System.out.println("Positive");  
} else if (i == 0) {  
    System.out.println("Positive");  
} else if (i < 0) {  
    System.out.println("Negative");  
} else {  
    System.out.println("Something weird just happened.");  
}
```

1. If the `if` condition is true, execute the block
2. Otherwise, go to the next `else-if` (if any) and execute its code block if its condition is true.
3. If execution reaches the `else` clause, execute its block.

while

```
while (continuation condition) {  
    Body of loop  
}
```

```
int i = 0;  
while (i < 10) {  
    System.out.println(i);  
    i++;  
}
```

1. Execute the code block if the continuation condition is true.
2. Goes back to step 1.

do...while

```
do {  
    Body of loop  
} while (continuation condition)
```

```
int i = 0;  
do {  
    System.out.println(i);  
    i++;  
} while (i < 10);
```

1. Execute the code block
2. If the continuation condition is false, exit the loop.
3. If the continuation condition is true, go back to step 1.

for

```
for (initialization; continuation condition; increment) {  
    Body of loop  
}  
  
for (int i = 0; i <= 10; i++) {  
    System.out.println("This is number " + i);  
}
```

1. Execute the initialization code.
2. If the continuation condition is false, exit the loop.
3. If the continuation condition is true, execute the body of the loop.
4. Execute the increment code
5. Go to step 2