single-line if statement

```
if (condition) statement;
```

For example:

```
if (age < 17) System.out.println("too young");
```


single-line if statement

```
if (condition) statement;
```

For example:

```
if (age < 17) System.out.println("too young");
```

multi-line if statement

```
if (condition) {
    statements;
    ...
}
```

For example:

```
if (age < 17) {
    count = count + 1;
    System.out.println("too young");
}
```


multi-line if statement

```
if (condition) {
    statements;
    ...
}
```

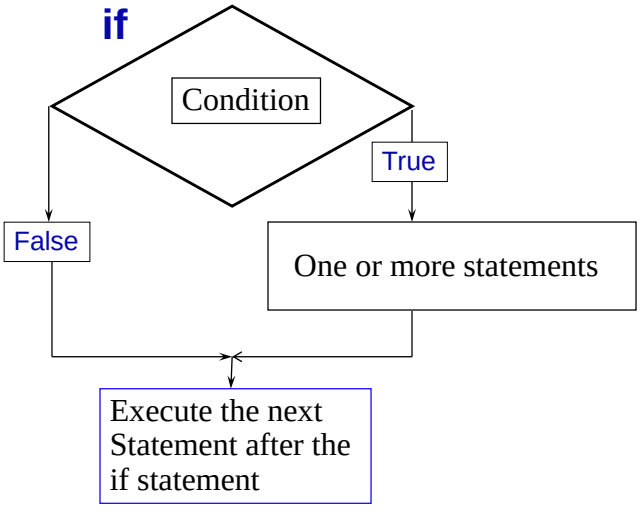
For example:

```
if (age < 17) {
    count++;
}
```

It's usually best to use this form instead of the single-line form even if you have only a single statement

There is no harm in including the { }. And may prevent problems later on.

Flowchart of a simple if statement:



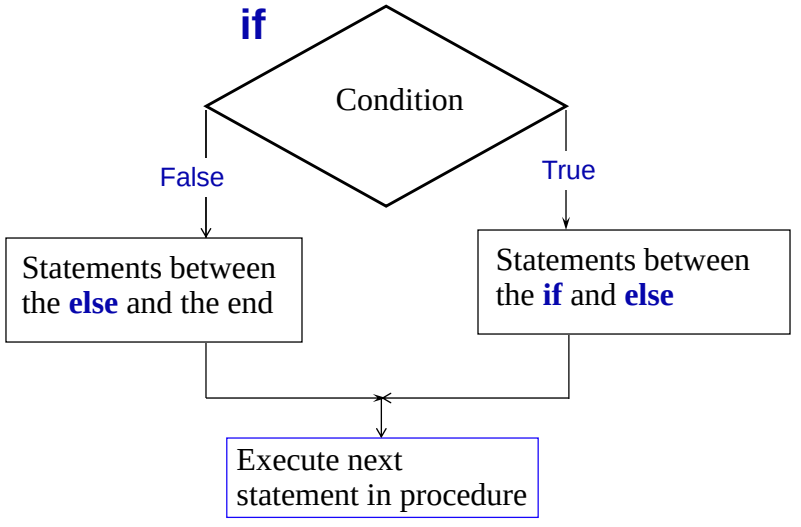
if-else statement

```
if (condition) {
    statements;
} else {
    statements;
}
```

For example:

```
if (numberOfItems == 1) {
    System.out.println("There is " +
            numberOfItems + " item.");
} else {
    System.out.println("There are " +
            numberOfItems + " items.");
}
```

Flowchart of an if-else statement:



Cascading if-else statement

```
if (condition1) {
    statements;
} else if (condition2) {
    statements;
} else if (condition3) {
    statements;

    ...

} else {
    statements;
}
```

Cascading if-else statement

For example:

```
if (month == 1) {
    System.out.println("January");
} else if (month == 2) {
    System.out.println("February");
} else if (month == 3) {
    System.out.println("January");

    ...

} else {
    System.out.println("December");}
}
```