

## If & Else Statements

We use conditions in code for decision making and controlling the flow of a program.

**if** and **else** keywords can be used together to create conditions.

The syntax for this:

```
if (condition) {  
    // code to run if the condition is true  
} else {  
    // code to run if the above condition is false  
}
```

Condition can be any expression which you are trying to evaluate. A simple condition can be:

```
int a = 4;  
int b = 5;  
if (a == b) {  
    printf("a and b are equal");  
} else {  
    printf("a and b are not equal");  
}
```

```
// Output:  
// a and b are not equal
```

`a == b` is used to check whether the values of variables `a` and `b` are equal. `==` is called a equal to operator.

Here's a table of common operators used in C conditions:

Operator	Description	Example
<code>==</code>	Equal to	<code>a == b</code>
<code>!=</code>	Not equal to	<code>a != b</code>
<code>&gt;</code>	Greater than	<code>a &gt; b</code>