



# CONDITIONALS & FUNCTIONS

## CONDITIONALS

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```
if (condition) {  
  // do something  
}
```

```
if (condition) {  
  // do something  
} else {  
  // do something else  
}
```

```
if (condition) {  
  // do something  
} else if (condition){  
  // do something else  
} else {  
  // do something else  
}
```

## TERNARY OPERATOR

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*syntax*

```
(expression) ? trueCode : falseCode;
```

*example*

```
let age = 12;  
let allowed = (age > 18) ? "yes" : "no";  
// value of allowed is "no"
```

## COMPARISON OPERATORS

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|                  |                                  |                    |                                 |
|------------------|----------------------------------|--------------------|---------------------------------|
| <code>==</code>  | <i>Equal to — DO NOT USE</i>     | <code>&gt;</code>  | <i>Greater than</i>             |
| <code>===</code> | <i>Strict equal to</i>           | <code>&lt;</code>  | <i>Less than</i>                |
| <code>!=</code>  | <i>Not equal to — DO NOT USE</i> | <code>&gt;=</code> | <i>Greater than or equal to</i> |
| <code>!==</code> | <i>Strict not equal to</i>       | <code>&lt;=</code> | <i>Less than or equal to</i>    |

## LOGICAL OPERATORS

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|                         |            |
|-------------------------|------------|
| <code>&amp;&amp;</code> | <i>and</i> |
| <code>  </code>         | <i>or</i>  |
| <code>!</code>          | <i>not</i> |

## FALSY VALUES

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|                        |
|------------------------|
| <code>false</code>     |
| <code>0</code>         |
| <code>""</code>        |
| <code>NaN</code>       |
| <code>null</code>      |
| <code>undefined</code> |

## FUNCTION DECLARATION

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*syntax*

```
function name(parameters) {  
  // do something  
}
```

*example*

```
function speak(name) {  
  console.log("Hello, " + name);  
}
```

## FUNCTION EXPRESSION

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*syntax*

```
let name = function(parameters) {  
  // do something  
};
```

*example*

```
let speak = function(name) {  
  console.log("Hello, " + name);  
}
```

## ARROW FUNCTION

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*syntax*

```
let name = (parameters) => {  
  // do something  
}
```

*example*

```
let speak = (name) => {  
  console.log("Hello, " + name);  
}
```

## CALLING A FUNCTION

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*syntax*

```
name(arguments);
```

*example*

```
speak("Michelle");
```

## SPECIFYING STRICT MODE

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```
"use strict";
```

or

```
'use strict';
```