



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

## LOGICAL OPERATORS

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<code>&amp;&amp;</code>	and
<code>  </code>	or
<code>!</code>	not

## 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";
```