



# CONDITIONALS & FUNCTIONS

## CONDITIONALS

---

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

## COMPARISON OPERATORS

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<b>==</b>	<i>Equal to — DO NOT USE</i>
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<b>===</b>	<i>Strict equal to</i>
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<b>!=</b>	<i>Not equal to — DO NOT USE</i>
-----------	----------------------------------

<b>!==</b>	<i>Strict not equal to</i>
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<b>&gt;</b>	<i>Greater than</i>
-------------	---------------------

<b>&lt;</b>	<i>Less than</i>
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<b>&gt;=</b>	<i>Greater than or equal to</i>
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<b>&lt;=</b>	<i>Less than or equal to</i>
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## LOGICAL OPERATORS

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<b>&amp;&amp;</b>	<i>and</i>
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<b>  </b>	<i>or</i>
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<b>!</b>	<i>not</i>
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## FALSY VALUES

---

false

0

""

NaN

null

undefined

## 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';
```