

JavaScript

Key Vocabulary



Variable

A variable is like a container, used to store data.

```
var food = "cake";
```

Variables must be identified with unique names.



Function

Functions define repeat actions that can be performed on demand.

```
function sum(a, b) {  
  return a + b;  
}
```

This example function returns the sum of a and b.



Conditional

Conditionals (if... then...) are used to determine which action to perform depending on some condition.

```
if( thisHurts == true ) {  
  alert( "Ouch!" );  
}
```

An example of an "if" condition.



(for) Loop

Loops allow the same action to be executed many times.

```
for ( var i=0; i<3; i++ ) {  
  alert( "Hip, hip, hooray!" );  
}
```

An example of a "for loop".

Common JS Data Types



Number

Standard math operators work in JavaScript (+, -, *, /).

```
1 or 21.1 or -6  
or 0 or 42e3
```

Large or small numbers can be shorted using scientific notation.



String

Strings must be surrounded by quotation marks.

```
"cat" or "Michael Jordan"
```

Strings are used for storing and manipulating text.



Boolean

Booleans are binary, either true or false.

```
true or false
```

Booleans can only be true or false.

Useful JS Methods

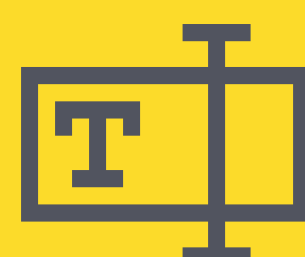


alert

Triggers a pop-up message.

```
alert( "Hello, world." );
```

Alert Example



prompt

Triggers a pop-up with a text input field.

```
prompt( "What is  
your name?" );
```

Prompt Example



confirm

Triggers a pop-up with "OK" and "Cancel" options.

```
confirm( "Continue" );
```

Confirm Example