

Comments

```
// Inline comment (single line)
// For single line thoughts & URLs
```

```
/*
```

Block comment (multi-line)

This type of comment spans multiple lines

```
*/
```

```
/**
```

```
 * @desc JSDoc comment
```

```
 * @desc For creating HTML code docs
```

```
 * @desc See: http://usejsdoc.org
 for details
```

```
*/
```

Functions/Methods/Subroutines

```
function doStuff(param1, param2) {
    return param1 + param2;
}
```

```
let value = doStuff(10, 8); //value
will be 18
```

functions are mini-programs inside your global program. Code in here is **scoped** locally from from the opening curly brace to the closing curly brace. The **return** keyword can be used to return a value to the caller.

Variables, Constants, & Data Types

```
let lastName; //globally declared
variable
```

```
const PI = 3.14; //declared &
initialized const
```

```
let age = 10; local number variable
```

```
let animalType = 'dog'; string
variable
```

```
let isValid = true; boolean
variable
```

Variables are *declared* with the **let** keyword.

Constants are *declared* with the **const** keyword. They are both *initialized* with the = symbol.

Globally-scoped variables should be declared only, then initialized with a mutator method. Locally-scoped variables should be declared & initialized on the same line. Constants are **immutable** & variables are **mutable**.

