

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*.



By CodeElegant

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