

Simple Javascript Example

```
sum = 0;
for (i = 1; i < 10; i++) {
    sum += i*i;
}
```

Factorial in Javascript

```
function fac(x) {  
    if (x <= 1) {  
        return 1;  
    }  
    return x*fac(x-1);  
}
```

Method Example

```
Object o = new Object();  
o.count = 0;  
o.increment = function(inc) {  
    if (inc == undefined) {  
        inc = 1;  
    }  
    this.count += inc;  
    return this.count;  
}
```

Functions Can Have Properties

```
function plus1(value) {  
    if (plus1.invocations == undefined) {  
        plus1.invocations = 0;;  
    }  
    plus1.invocations++;  
    return value+1;  
}
```

Constructor

```
function Rectangle(width, height) {  
    this.width = width;  
    this.height = height;  
}
```

```
r = new Rectangle(26, 14);
```

Prototypes

```
function Rectangle(width, height) {
    this.width = width;
    this.height = height;
}
Rectangle.prototype.area = function() {
    return this.width*this.height;
}

r = new Rectangle(26, 14);
a = r.area();
```

Embedding Javascript

External Javascript File

```
<body>
```

```
...
```

```
<script type="text/javascript" src="myCode.js" />
```

```
<script type="text/javascript">
```

```
//<![CDATA[
```

```
alert("Page is loading");
```

```
//]]>
```

```
</script>
```

```
<p onclick="alert('Hello, world!');">
```

```
Click here.</p>
```

```
...
```

```
</body>
```

Inline Code

Event Handler

