

# Basic JavaScript Syntax

Sunday, October 08, 2017 10:08 PM

## Basic JavaScript

<https://github.com/stoneskin/JavascriptBasicExamples>

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### 1. JavaScript in Web Pages

- *script*
- *src attribute*
- *noscript ### 1.1 Script ###*

```
<!DOCTYPE html>
<html>
<head>
<script>
  console.log('Hello!');
</script>
</head>
<body>
<h1>Our Page</h1>
<script>
  console.log('In Body');
</script>
<script type="text/javascript" src="js/01-basic-1.js">
  console.log('Hello in Body!');
</script>
</body>
</html>
```

### 1.2 Noscript

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<noscript>
  <h1>This application requires JavaScript.</h1>
</noscript>
</body>
</html>
```

## 2. Variables

- Fundamentals
- undefined
- PrimitiveTypes
- Object and Function Types ### 2.1 Defing variables ###

```
orderId= 9001; //no var
console.log(orderId);
var orderId= 9001; //def var
console.log(orderId);
var orderId = "ORD-9001";
console.log(orderId);
var orderId= "ORD-9001";
orderId= 1201;
console.log(orderId);
```

### 2.2 undefined

```
var orderId;
console.log(orderId); //undefined
** use stirict **
'use strict';
orderId= 9001;
console.log(orderId); //error
```

### 2.3 Primitive TYPEs

- number string, NaN

```
var orderId1= 9001;
console.log(typeof orderId1);
var orderId2= 9001.01;
console.log(typeof orderId2);
var orderId3= "Ord-9001.01";
console.log(typeof orderId3);
var orderId4= "9001.01";
console.log(typeof orderId4)
```

- boolean

```
var isActive= true;
console.log(typeof isActive);
```

### 2.4 Object and Function Types

- object

```
var order = {
  orderId: 9001,
  isActive: true
};
console.log(typeof order);
var cancelledOrders= [9001, 9002, 9003];
console.log(typeof cancelledOrders);
```

```

var order = null;
console.log(typeof order);
    • function
function cancelOrder(orderId) {
};
console.log(typeof cancelOrder);

```

### 3. Function Fundamentals

- Declaring Functions
- Arguments
- Returning Values
- Function Expressions

```

function printOrder() {
    console.log('Printing order. ');
};
printOrder();

```

```

function printOrder(orderId) {
    console.log('Printing order: ' + orderId);
};
printOrder('9002');

```

```

var getActivateOrder= function() {
    return "id";
};
console.log(typeof activateOrder);
getActivateOrder();
getActivateOrder; //nothing show

```

### 4. If and Switch Statements

```

var total = 99.99;
var freeShipping;
if(total >= 100.00)
    freeShipping= true;
else
    freeShipping= false;
console.log(freeShipping);
var orderType= 'business';
var shipMethod;
switch (orderType) {
    case 'business':
        shipMethod= 'FedEx'; //be skipped
        // break;
    case 'personal':
        shipMethod= 'UPS Ground';
        break;
    default:

```

```
    shipMethod= 'USPS';  
}  
console.log(shipMethod);
```

## 5 Loop

### 5.1 while and do...while Statements

```
var lineItemCount= 3;  
var currentItem= 0;  
while(currentItem< lineItemCount) {  
    console.log("item: "+ currentItem);  
    currentItem++;  
}  
var lineItemCount= 3;  
var currentItem= 0;  
do {  
    console.log("item: "+ currentItem);  
    currentItem++;  
} while(currentItem< lineItemCount);
```

### 5.2 for and for...in

- for

```
var lineItemCount= 3;  
for(vari = 0; i < lineItemCount; i++)  
    console.log(i);
```

- break

```
var lineItemCount= 5;  
for(vari = 0; i < lineItemCount; i++) {  
    console.log(i);  
    if(i == 1)  
        break;  
}
```

- continue

```
var lineItemCount= 5;  
for(vari = 0; i < lineItemCount; i++) {  
    if(i == 1)  
        continue;  
    console.log(i);  
}
```

- for in

```
var lineItem= {  
    product: 'Widget 1',  
    quantity: 4,  
    price: 9.50  
};  
for(varfield in lineItem)
```

```
console.log(field + " : " + lineItem[field]);
```

## 6. JavaScript Usage Feature

- Case sensitive

```
varorderId= 5005;
```

```
console.log(OrderId);
```

- Comments

```
/*
```

```
console.log(1);
```

```
*/
```

```
console.log(2);
```

```
// console.log(3);
```

- Name

```
var@product = 'PRD-2000';
```

```
console.log(@product);
```

```
var 2product = 'PRD-2000';
```

```
console.log(2product);
```

```
var $product = 'PRD-4000'
```

```
$product += 'X2'
```

```
console.log($product)
```

From <https://github.com/stoneskin/JavascriptBasicExamples>