

# JavaScript

Make the internet users life beautiful by coding the HTML the right way. You'll coding be with ease and confidence.



# JavaScript

Internal, external, inline

Placement of script – async & defer

alert(), document.write(); console.log();

Semicolon, comments, single line & multiline, whitespace

# JavaScript – Reserved words

break	do	if	package	throw
case	else	implements	private	true
catch	enum	import	protected	try
class	export	in	public	typeof
const	extends	instanceof	return	var
continue	false	interface	static	void
debugger	finally	let	super	while
default	for	new	switch	with
delete	function	null	this	yield

# JS - Variables

Cannot be a reserved word.

Can only be composed of letters, numbers, dollar signs, and underscores.

The first character cannot be a number.

```
var k;
```

```
k=1;
```

```
j=k;
```

```
m="my name"
```

Assigning values, use quotes

# JavaScript

## Operators & Math

+, -, \*, /,

var k;

k=1 + 20;

price=20;

Pre increment, post increment

Equality ===, !==, ==,

Greater than and less than >, <

Combined comparisons >= or <=

Logical operators ||, &&

# JavaScript

## Conditional

```
if (10 > 5) {  
    // Run the code in here  
}
```

```
if (43 < 2) {  
    // Run the code in here  
} else {  
    // Run a different bit of code  
}
```

# JavaScript

Looping - While

```
var i = 1;
while (i < 10) {
    alert(i);
    i = i + 1;
}

// i is now 10
```

# JavaScript

Looping - For

```
for (var i = 1; i < 10; i++) {  
    alert(i);  
}
```



# JavaScript

Switch

Arrays

.push – adds to the last,

.pop – removes last,

reverse

sort

# Functions

```
function myFunction() {  
}
```

```
var add = function (a, b) {  
    return a + b;  
};
```

```
myFunction(); // calling functions
```

# Objects

```
var student = {  
    age:20,  
    id:x123,  
    marks: function(){  
    }  
}  
  
student.age = 30;  
student.id = x123;
```

# JavaScript

Syntax

working with variables,

objects

Functions

Javascript Patterns

```
Var student = new Object;  
student.name = "Raju";  
student.class = "10th A"
```

-or-

```
Var student = {  
    name:"Raju",  
    class:"10th A"  
};  
console.log(student.name);
```

```
Var list = new Array;  
list.push = "soap";
```

-or-

```
Var list = ["Soap"];  
list.push("Shampoo");
```

# JQuery

What? Why? How?

Cross-browser Compatibility

Fast & Small Footprint,

CSS3 Selectors Compliant

Short Learning curve & Great Documentation

# jQuery

```
$( document ).ready(function() {  
    // Your code here.  
  
});  
  
.addClass()  
.removeClass()  
.html("<strong>" + data + "</strong> your content")
```

```
$( "a" ).click(function( event ) {  
    event.preventDefault();  
    $( this ).hide( "slow" );  
});
```

<http://api.jquery.com/category/events/>

<http://api.jquery.com/category/effects/>

# JQuery

- Comments
- Whitespace
- Reserved Words
- Identifiers
  - Cannot be a reserved word.
  - Can only be composed of letters, numbers, dollar signs, and underscores.
  - The first character cannot be a number.

<http://api.jquery.com/category/events/>

<http://api.jquery.com/category/effects/>

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