

JavaScript Date Objects

- description : JavaScript Date Objects
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Ref

[JavaScript Date Objects](#)

JavaScript Date Object

JavaScript Date Output

JavaScript

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript new Date()</h2>
<p id="demo"></p>
<script>
var d = new Date();
document.getElementById("demo").innerHTML = d;
</script>
</body>
</html>
```

Creating Date Objects

Date new Date() _____(constructor)

_____ (date object)

4 가 가

```
new Date()
new Date(year, month, day, hours, minutes, seconds, milliseconds)
new Date(date string)
```

new Date()

new Date()

```
var d = new Date();
```

Date (static) date objects

new Date(year, month, ...)

new Date(year, month, ..., (hour), (minute), (second), (millisecond))

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript new Date()</h2>
<p>Using new Date(7 numbers), creates a new date object with the specified
date and time.</p>
<p id="demo"></p>
<script>
var d = new Date(2018, 11, 24, 10, 33, 30, 0);
document.getElementById("demo").innerHTML = d;
</script>
</body>
</html>
```

Note:

JavaScript Date constructor: new Date(year, month, day, hour, minute, second, millisecond)

```
var d = new Date(2018, 11, 24, 10, 33, 30) // Mon Dec 24 2018 10:33:30
GMT+0900 ( )
```

5 (year, month, day, hour, minute)

```
var d = new Date(2018, 11, 24, 10, 33); // Mon Dec 24 2018 10:33:00
GMT+0900 ( )
```

4 (year, month, day, hour)

```
var d = new Date(2018, 11, 24, 10); // Mon Dec 24 2018 10:00:00 GMT+0900
```

()

3 (year), (month), (day) .

```
var d = new Date(2018, 11, 24); // Mon Dec 24 2018 00:00:00 GMT+0900 ( )
```

2 (year), (month) .

```
var d = new Date(2018, 11); // Sat Dec 01 2018 00:00:00 GMT+0900 ( )
```

(month) .

```
var d = new Date(2018); // Thu Jan 01 1970 09:00:02 GMT+0900 ( )
```

Previous Century

19xx .

```
var d = new Date(99, 11, 24) // Fri Dec 24 1999 00:00:00 GMT+0900 ( )
```

```
var d = new Date(09, 11, 24) // Fri Dec 24 1909 00:00:00 GMT+0830 ( )
```

new Date(dateString)

new Date(dateString) **date string** .

```
var d = new Date("October 13, 2014 11:13:00"); // Mon Oct 13 2014 11:13:00 GMT+0900 ( )
```

JavaScript Stores Dates as Milliseconds

JavaScript 1970 1 1 , 00:00:00 UTC (Universal Time Coordinated)

(Zero time) 1970 1 1 00:00:00 UTC .

1970 1 1 1618269610417 .

new Date(milliseconds)

new Date(milliseconds)

:

```
var d = new Date(0); // Thu Jan 01 1970 09:00:00 GMT+0900 ( )
```

1970 1 1 + 100 000 000 000

1973 3 3

:

```
var d = new Date(100000000000); // Sat Mar 03 1973 18:46:40 GMT+0900 ( )
```

1970 1 1 100,000000000

1966 10 31

.

```
var d = new Date(-100000000000); // Mon Oct 31 1966 23:13:20 GMT+0900 ( )
```

```
var d = new Date(86400000); // Fri Jan 02 1970 09:00:00 GMT+0900 ( )
```

(24)sms 86,400,000

Date Methods

Date 가 ,

Date UTC (GMT)
date , , , , , 가 .

Displaying Dates

JavaScript () .

```
Tue Apr 13 2021 10:12:34 GMT+0900 ( )
```

HTML date , toString()

Example

```
d = new Date();  
document.getElementById("demo").innerHTML = d;
```

Same as:

```
d = new Date();
document.getElementById("demo").innerHTML = d.toString();
```

toUTCString() UTC () .

```
var d = new Date();
document.getElementById("demo").innerHTML = d.toUTCString(); // Tue, 13 Apr
2021 01:23:20 GMT
```

toDateString() .

```
var d = new Date();
document.getElementById("demo").innerHTML = d.toUTCString(); // Tue, 13
Apr 2021 01:23:20 GMT
```

toISOString() ISO .

```
var d = new Date();
document.getElementById("demo").innerHTML = d.toISOString(); //
2021-04-13T01:29:51.993Z
```

, [Javascript](#), [Date](#), [Objects](#)

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