JavaScript Date Objects

- description : JavaScript Date Objects
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Ref

[JavaScript Date Objects](#)
JavaScript Date Object   .

JavaScript Date Output

          JavaScript   .

```html
<!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   .

```javascript
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, ...) date .

7 (year), (month), (day), (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 0 11 .

1 0 , 12 11 .

6 (year), (month), (day), (hour), (minute), (second) .

```
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");
```

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   ,   .

Date   UTC (GMT)
date   , , , , ,   .

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();
documenet.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