

String to ISO Dates, Date to String in Javascript

If you want to put date information as string like "2020-07-30" to date in javascript, bingo! - it works correctly.

ISO 8601 is the international standard for the representation of dates and times. The ISO 8601 syntax (YYYY-MM-DD) is also the preferred JavaScript date format:

```
var d = new Date("2020-07-30") // note you should type Date not date !!!
```

If you want to get its element value like FullYear, Month, Date, Hours, and etc. You can simply get it like below.

```
var d = new Date();

document.getElementById("demo").innerHTML += d.getFullYear(); // Get the year as a four digit number (yyyy)
document.getElementById("demo").innerHTML += d.getMonth(); // Get the month as a number (0-11)
document.getElementById("demo").innerHTML += d.getDate(); // Get the day as a number (1-31)
document.getElementById("demo").innerHTML += d.getHours(); // Get the hour (0-23)
document.getElementById("demo").innerHTML += d.getMinutes(); // Get the minute (0-59)
document.getElementById("demo").innerHTML += d.getSeconds(); // Get the second (0-59)
document.getElementById("demo").innerHTML += d.getMilliseconds(); // Get the millisecond (0-999)
document.getElementById("demo").innerHTML += d.getTime(); // Get the time (milliseconds since January 1, 1970)
document.getElementById("demo").innerHTML += d.getDay(); // Get the weekday as a number (0-6)
document.getElementById("demo").innerHTML += Date.now(); // Get the time. ECMAScript 5.
```

To convert Date type variable to string in Javascript

```
var d = new Date();
var n = d.toString();
```

To set values for Date()

```
var d = new Date("1973-02-16")

d.setFullYear(2020); // Set the year (optionally month and day)
d.setFullYear(2020,12,30); // Set the year (optionally month and day)
d.setMonth(11); // Set the month (0-11)
d.setDate(25); // Set the day as a number (1-31)
d.setHours(12); // Set the hour (0-23)
d.setMilliseconds(22); // Set the milliseconds (0-999)
d.setMinutes(10); // Set the minutes (0-59)
d.setSeconds(0); // Set the seconds (0-59)
d.setTime(12311231); // Set the time (milliseconds since January 1, 1970)
```

To increase one day in ISO Date

```
function IncDate( src) // src should be "YYYY-MM-DD" like "2009-04-13"
{
    var d = new Date(src);
    d.setDate(d.getDate()+1);

    var ret = d.getFullYear().toString() + "-" + ((d.getMonth()<9) ? "0":"") + (d.getMonth()+1).toString()
+ "-" + ((d.getDate()<10) ? "0":"") + d.getDate().toString();
    return ret;
}
```