Date Objects Notes

Declare and create a new Date Object

For Date objects, the months and days are represented in memory as follows:

January is represented as	0	Sunday is represented as	0
February is represented as	1	Monday is represented as	1
March is represented as	2	Tuesday is represented as	2
April is represented as	3	Wednesday is represented as	3
May is represented as	4	Thursday is represented as	4
.		Friday is represented as	5
.		Saturday is represented as	6
.			
December is represented as	11		

Here is an example of how to create a new Date object with variable name *myDate*:
Example:
var myDate = **new** Date("May 20, 2013 14:45:13") ; notice the quotation marks

Notice the word **new** and Date has a capital D. You could visualize this in memory as the following structure and content:

myDate

month	4
date	20
year	2013
hours	14
minutes	45
seconds	13
day	1

4 as in May

14 as in 2pm

1 as in Monday

Here is an alternate way to create the same new Date object above. Note the commas between the year, month, date (day of month), hours, mins, secs.

Example:
var myDate = new Date(2013, 4, 20, 14, 45, 13) ;

Example – to create current date with variable *now*:
var *now* = new Date() ;

To access (or *get*) each "part" of a Date object with variable name myDate, use the expressions below. myDate is the object variable and getSeconds() is the method.

myDate.getSeconds()
myDate.getMinutes()
myDate.getHours()
myDate.getDate()
myDate.getDay()
myDate.getMonth()
myDate.getFullYear()
myDate.getTime()

Example:
Access the minutes of the object *myDate* and assign it to the variable x:

x = myDate.getMinutes();   (this gets 45 and stores it in x)

To change (*set*) the each "part" of a whole Date object *myDate*, use:

myDate.setSeconds(x)
myDate.setMinutes(x)
myDate.setHours(x)
myDate.setDate(x)
myDate.setDay(x)
myDate.setMonth(x)
myDate.setFullYear(x)
myDate.setTime(x)

Example:
Set the date (day of the month) of the object *myDate* to 7:

myDate.setDate(7);   -- This sets the Date (day of the month) to 7.

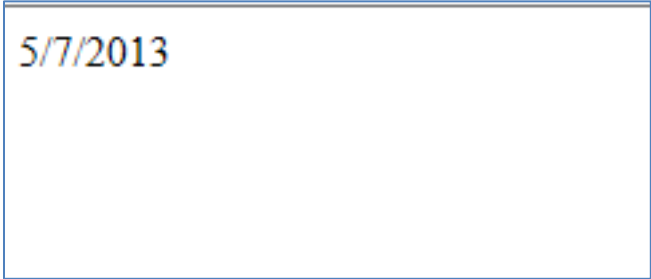Now we have a;

month	4
date	~~20~~ 7
year	2013
hours	14
minutes	45
seconds	13
day	1

Now print out the date and the year to the web page:

mdate = myDate.getMonth();
xdate = myDate.getDate();
ydate = myDate.getFullYear();
document.write((mdate + 1) + "/" + xdate + "/" + ydate);

This displays:

5/7/2013