

Week 7: Date & Time

To put the current date and time into a web page:

- JavaScript can determine the current date and time from the viewer's computer.
- To do so you will need to write a script that defines the variables in the **head tag** and a script that will write to the document window from the **body tag**

```
dayName = new Array ("Sunday","Monday","Tuesday","Wednesday","Thursday","Friday","Saturday")
monName = new Array ("January", "February", "March", "April", "May", "June", "July", "August",
"September", "October", "November", "December")
now = new Date
```

//In the <HEAD> of your HTML page, you need to create three variables: "dayName", "monName", and "now"

// The variable "dayName" will be assigned the values for the days of the week

// The variable "monName" will be assigned the values for the months of the year

// The variable "now" will be assigned a value that contains the command "new Date"

// The "new Date" command contains the keyword "new" which creates a new object called "Date"

// The variables "dayName", "monName", and "now" will be used by the script contained in the <body> of your HTML page to write the date on the screen

```
document.write("<p> " + dayName[now.getDay()] + ", " + monName[now.getMonth()] + " " +
now.getDate() + "</p>")
```

//in the <BODY> of our page we need to write a script that will write our current date into a browser window when viewed using the "document.write()" method

//the "document.write()" method is what will actually do the writing of our date and time into the browser window

//contained within the "document.write()" method will be a string value that will access the data from the variables that we defined in the <HEAD> of our page

// The string value will essentially contain and write the "dayName" + "monName" + "now" using the ("<p> " + ... + ", " + ... + " " + ... + "</p>") syntax

// The "+" operator at the beginning and end of each of the values of the text string lets each of the values to be joined together when being written in the document window

// The "dayName" and "monName" variables in the string use the "[]" operators to access the "dayName" and "monName" array elements from the arrays we set up in the <HEAD>

// The "dayName" and "monName" variables in the string will also call other predefined functions: "getDay()" and "getMonth()" which accesses the "new Date" object by using the "now" variable we set up earlier

// The predefined functions: "getDay()", "getMonth()" and "getDate()" will access the day, month and (numerical) date from the computer's clock