

EXERCISE

1. What does a timer do and how would you implement one?

Setting timers allows you to execute your code at predefined times or intervals.

This can be achieved through two main methods: `setInterval()`; and `setTimeout()`;

`setInterval()` accepts a function and a specified number of milliseconds.

ex) `setInterval(function(){alert("Hello, World!");},10000)` will alert the "Hello, World!" function every 10 seconds.

`setTimeout()` also accepts a function, followed by milliseconds.

`setTimeout()` will only execute the function once after the specified amount of time, and will not reoccur in intervals

2. What is the use of a Date object in JavaScript?

The JavaScript date object can be used to get a year, month and day. You can display a timer on the webpage by the help of JavaScript date object.

```
function display()
{
    var date=new Date();
    var day=date.getDate();
    var month=date.getMonth()+1;
    var year=date.getFullYear();
    document.write("<br>Date is: "+day+"/"+month+"/"+year);
}
display();
```

3. How can you convert the string of any base to an integer in JavaScript?

The `parseInt()` function is used to convert numbers between different bases. `parseInt()` takes the string to be converted as its first parameter. The second parameter is the base of the given string.

4. To convert 4F (or base 16) to integer, the code used will be –
`parseInt ("4F", 16);`