## **Chapter 52: Data Manipulation**

## Section 52.1: Format numbers as money

Fast and short way to format value of type Number as money, e.g. 1234567.89 => "1,234,567.89":

```
var num = 1234567.89,
    formatted;

formatted = num.toFixed(2).replace(/\d(?=(\d{3})+\.)/g, '$&,'); // "1,234,567.89"
```

More advanced variant with support of any number of decimals [0 n], variable size of number groups [0 x] and different delimiter types:

## Section 52.2: Extract extension from file name

Fast and short way to extract extension from file name in JavaScript will be:

```
function get_extension(filename) {
   return filename.slice((filename.lastIndexOf('.') - 1 >>> 0) + 2);
}
```

It works correctly both with names having no extension (e.g. myfile) or starting with . dot (e.g. .htaccess):

```
get_extension('')
get_extension('name')
get_extension('name.txt')
get_extension('.htpasswd')
get_extension('name.with.many.dots.myext') // "myext"
```

The following solution may extract file extensions from full path:

## Section 52.3: Set object property given its string name

```
function assign(obj, prop, value) {
    if (typeof prop === 'string')
        prop = prop.split('.');
    if (prop.length > 1) {
       var e = prop.shift();
        assign(obj[e] =
                Object.prototype.toString.call(obj[e]) === '[object Object]'
                 ? obj[e]
                 : {},
               prop,
               value);
    } else
       obj[prop[0]] = value;
var obj = {},
    propName = 'foo.bar.foobar';
assign(obj, propName, 'Value');
// obj == {
// foo : {
     bar : {
//
       foobar : 'Value'
//
//
// }
// }
```