

Chapter 46: CSS Object Model (CSSOM)

Section 46.1: Adding a background-image rule via the CSSOM

To add a background-image rule via the CSSOM, first get a reference to the rules of the first stylesheet:

```
var stylesheet = document.styleSheets[0].cssRules;
```

Then, get a reference to the end of the stylesheet:

```
var end = stylesheet.length - 1;
```

Finally, insert a background-image rule for the body element at the end of the stylesheet:

```
stylesheet.insertRule("body { background-image:  
url('http://cdn.sstatic.net/Sites/stackoverflow/img/favicon.ico'); }", end);
```

Section 46.2: Introduction

The browser identifies tokens from stylesheet and converts them into nodes which are linked into a tree structure. The entire map of all the nodes with their associated styles of a page would be the CSS Object Model.

To display the webpage, a web browser takes following steps.

1. The web browser examines your HTML and builds the DOM (Document Object Model).
2. The web browser examines your CSS and builds the CSSOM (CSS Object Model).
3. The web browser combines the DOM and the CSSOM to create a render tree. The web browser displays your webpage.

