For various reasons, it may be useful to detect the visitor's browser type and version.

For instance, you may want to have an advanced page for users arriving with version 6 browsers, and a simple page for users arriving with older browsers.

Maybe you want to make a page that sends Netscape to one page and MSIE to another page. (MSIE -> Microsoft Internet Explorer). **This approach is mainly used to install browser specific plugins and extensions.**

In any case, you will need to have visitors arrive at one page, on which the browser detection takes place. The page will then automatically load the page the user should be presented with.

JavaScript is an ideal tool for this purpose.

Browser detection is based on the navigator object.

This object holds name, version, etc. of the browser.

Therefore it is pretty simple to write a script that will read these variables and return the name and version of the current browser.

Example

Get the name of your browser:

```
var x = "Browser Name: " + navigator.appName;
```

The result of x will be:

```
Browser Name: Netscape
```

Syntax

```
navigator.appName
```

Technical Details

Return Value: A String, representing the name of the browser.

The returned value varies from different browsers:

- IE11, Firefox, Chrome and Safari returns "Netscape"
- IE 10 and earlier versions return "Microsoft Internet Explorer"
- Opera returns "Opera"

Another Example

```
<!DOCTYPE html>
<html>
<body>
<div id="demo"></div>
<script>
var txt = "";
txt += "<p>Browser CodeName: " + navigator.appCodeName + "</p>";
txt += "<p>Browser Name: " + navigator.appName + "</p>";
txt += "<p>Browser Version: " + navigator.appVersion + "</p>";
txt += "<p>Cookies Enabled: " + navigator.cookieEnabled + "</p>";
txt += "<p>Browser Language: " + navigator.language + "</p>";
txt += "<p>Browser Online: " + navigator.onLine + "</p>";
txt += "<p>Platform: " + navigator.platform + "</p>";
txt += "<p>User-agent header: " + navigator.userAgent + "</p>";
document.getElementById("demo").innerHTML = txt;
</script>
</body>
</html>
```

Yet Another Example

```
<!DOCTYPE html>
    <html>
    <body>
    <p>What is the name(s) of your browser?</p>
    <button onclick="myFunction()">Try it</button>
    <p id="demo"></p>
    <script>

  function myFunction() {
  if((navigator.userAgent.indexOf("Opera") || navigator.userAgent.indexOf('OPR')) != -1 )
```

```
{
      alert('Opera');
  }
  else if(navigator.userAgent.indexOf("Chrome") != -1 )     {
      alert('Chrome');
  }
  else if(navigator.userAgent.indexOf("Safari") != -1)     {
      alert('Safari');
  }
  else if(navigator.userAgent.indexOf("Firefox") != -1 )     {
       alert('Firefox');
  }
  else if((navigator.userAgent.indexOf("MSIE") != -1 ) || (!!document.documentMode ==
true )) //IF IE > 10
  {
    alert('IE');
  }
  else
  {
    alert('unknown');
  }
  }
  </script>
  </body>
  </html>
```