```
<books>
  <book>
    <author>Carson</author>
    <price format="dollar">31.95</price>
    <pubdate>05/01/2001</pubdate>
  </book>
  <pubinfo>
    <publisher>MSPress</publisher>
    <state>WA</state>
  </pubinfo>
</books>
```
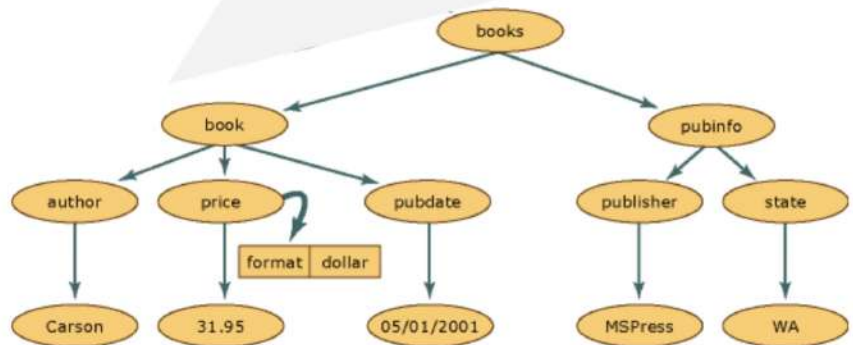
DOM represents the content of xml or html document as tree structure

Can easily read, access, update the contents of the document

Represents the content of xml or html document as tree structure

Can easily read, access, update the contents of the document

Is a programming interface (API)

```xml
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>

  <book category="cooking">
   <title lang="en">Everyday Italian</title>
   <author>Giada De Laurentiis</author>
   <year>2005</year>
   <price>30.00</price>
  </book>

  <book category="children">
   <title lang="en">Harry Potter</title>
   <author>J K. Rowling</author>
   <year>2005</year>
   <price>29.99</price>
  </book>

</bookstore>
```

All XML elements can be accessed through the XML DOM

xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;

This code retrieves the text value of the first <title> element in an XML document

Result Size: 625 x 540

Run »

```html
<!DOCTYPE html>
<html>
<body>

<p id="demo"></p>

<script>
var parser, xmlDoc;
var text = "<bookstore><book>" +
"<title>Everyday Italian</title>" +
"<author>Giada De Laurentiis</author>" +
"<year>2005</year>" +
"</book></bookstore>";

parser = new DOMParser();
xmlDoc = parser.parseFromString(text,"text/xml");

document.getElementById("demo").innerHTML =
xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;
</script>

</body>
</html>
```

Everyday Italian

The Document Object Model (DOM) is a programming interface for HTML and XML documents

It represents the page in a tree structure so that programs can read, access and change the document structure, style, and content

The DOM is an object-oriented representation of the web page, which can be modified with a scripting language such as JavaScript.

Every web browser uses some document object model to make web pages accessible via JavaScript

⭐ 🔍

Elements | Console | Sources | Network | Performance | Memory | » | ⊗1 | ⚙ | ⋮ | ✕

```
                <input type="hidden" name="hdnUserTimeZoneOffset" id="hdnUserTimeZoneOffset" value=
                "5.5">
                <input name="installation" id="installation" type="hidden" value>
                <input type="hidden" name="_csrf_token" value="3dc8b679d113b4e9792cb611770fa80f" id=
                "csrf_token">
                <div id="logInPanelHeading">LOGIN Panel</div>
              ▶ <div id="divUsername" class="textInputContainer">...</div>
              ▶ <div id="divPassword" class="textInputContainer">...</div>
                <div id="divLoginHelpLink"></div>
              ▼ <div id="divLoginButton">
                    <input type="submit" name="Submit" class="button" id="btnLogin" value="START">
                  ▶ <div id="forgotPasswordLink">...</div>
                </div>
              </form>
            </div> == $0
          </div>
        </div>
      ▶ <div style="text-align: center">...</div>
      ▶ <div id="footer">...</div>
      ▶ <script type="text/javascript">...</script>
      </div>
```

... #divLoginImageContainer div#divLoginForm form#frmLogin div#divLoginButton input#btnLogin.button

Styles | Computed | Event Listeners | DOM Breakpoints | Properties | Accessibility | SelectorsHub

Filter   :hov .cls +

```
element.style {
}
```

```
#divLoginForm {                                                        login.css:110
    margin-left: 466px;
    position: relative;
    width: 1024px;
    height: 390px;
    top: -390px;
}
```

```
html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote,    reset.css:1
pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s,
samp, small, strike, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset,
form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside, canvas,
details, embed, figure, figcaption, footer, header, hgroup, menu, nav, output, ruby, section,
summary, time, mark, audio, video {
    margin: 0;
```

OrangeHRM

OPEN SOURCE HR MANAGEM

div#divLoginForm 1024 × 390

LOGIN Panel

HR for ALL

Username

Password

START

Forgot your password?